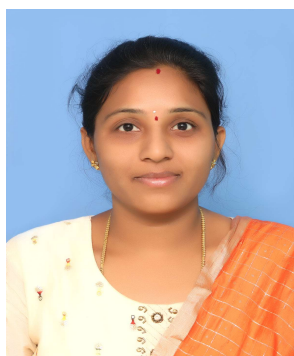


BIO – DATA



Dr. B. Muni Lavanya

Assistant Professor(Adhoc)

Department of Computer Science & Engineering,

JNTUA College of Engineering, Pulivendula.

Pulivendula – 516390.

Andhra Pradesh, India.

Contact Number: 9490080261

Mail id: munilavanya45@gmail.com

Date of Birth: 01.06.1988

CAREER OBJECTIVE:

To become a professional and enhance my skills in the field of Educational organization and build up my career with your organization in an efficient manner.

EDUCATIONAL QUALIFICATIONS:

Qualification	Branch	Name of the institute	University /Board	Year of passing	Aggregate
Ph. D.	Area – Wireless Mesh Networks	JNTUA College of Engineering	JNTUA	2020	-
M.Tech	CS	JNTUA College of Engineering	JNTUA	2012	79%
B.Tech	CSE	SreeVidyanikethan Engineering College	JNTUA	2009	65.68%
Intermediate	MPC	Srichaitanya Junior College	B.I.E	2005	89%
SSC		Ushodaya High School	SSC	2003	86%

SKILL SET:

Operating System : Windows XP, 2000.

Languages : C, C++, Java, Python

Database : Oracle

WORK EXPERIENCE: 11years

- I working as Assistant Professor (Adhoc) in JNTUA College of Engineering Pulivendula from June 2017 to till date.
- I worked as Assistant Professor (Adhoc) in JNTUA College of Engineering Pulivendula from July 2013 to Sep 2016.
- I worked as Assistant Professor (Adhoc) in JNTUA College of Engineering Pulivendula from Aug 2009 to Dec 2010.

SUBJECTS TAUGHT:

Programming in C& Data Structures, Computer Organization, Advanced Computer Architecture, FLAT, OOAD, Software Project Management, Grid and Cloud Computing, Data Structures, Operating Systems, Computer Networks, Database Management Systems, Advanced Computer Networks, Compiler Design, Machine Learning, DS & Python Programming.

TEXT BOOKS:

- **Dr. B. Muni Lavanya**, Dr. Satapathy, Mr. Rajesh Kumar sahu, Er. Bhusan and Smt. B. Manorama devi, “Computer Organization and Operating Systems”, Published by: South Indian Academic Publications (2022), ISBN: 978-93-92153-49-5.
- **B. Muni Lavanya**, “An Introduction to object oriented programming using JAVA”, Published by: LAP LAMBERT Academic Publishers,(2020)ISBN-13: 978-620-2-51596-2.
- **B. Muni Lavanya**, KuragantiSanthi, A. Revathi, “Basics in Design and Analysis of Algorithms”, Published by: LAP LAMBERT Academic Publishers,(2020)ISBN-13: 978-620-2-56355-0.

PATENTS:

- **B. Muni Lavanya et.al** “Railway Track Monitoring Approach To Detect The Breakage Of Track And Obstacle Detection Using GSM”, published on 16/09/2022, Application No.202241051292 A.
- **B. Muni Lavanya et.al** "A Block chain Based Approach to Secure the Human Ethical Data from Diagnostic Centers", **ISSUE NO: 08/2022**, The Patent Office Journal No. 08/2022 Dated, 25/02/2022, **PP. 10921** Application No.202241007014 A– **Under Examination.**
- **B. Muni Lavanya et.al** “An Artificial Intelligence Based System for Clinical Investigation of Glaucoma in Color”, Application Number: 2020104399, Australian Government, Date of Filing: **30-12-2020**, has **Granted** the patent on **7 April 2021**.

- **B. Muni Lavanya et.al** “Sonification for database administrators (SONIDBA)”, IP India Patent: Patent filed on 3rd July 2020. Application Number 202041026317A.

ACHIEVEMENTS:

- Qualified in **AP-SET in 2021.**
- Got **Silver Medal** in NPTEL Online Certificate Course “Fundamentals of Artificial Intelligence” in Sep 2022.
- Got **Silver Medal** in NPTEL Online Certificate Course “The Joy of Computing Using Python” in April 2022.
- Got **Silver Medal** in NPTEL Online Certificate Course “Database Management System” in Apr 2019.

ONLINE COURSES COMPLETED:

- NPTEL Online Course Certification Successfully completed the course “**Deep Learning**” with consolidated score of 50% by Indian Institute of Technology, Kharagpur, Jan - April 2023(12 Week Course).
- Microsoft Certified has Successfully Completed the requirements of “**Azure Enterprise Data Analyst Associate**”, April 12th 2023.
- Microsoft Certified has Successfully Completed the requirements of “**Power BI Data Analyst Associate**”, Mar 29th 2023.
- NPTEL Online Course Certification Successfully completed the course “**Fundamentals of Artificial Intelligence**” with consolidated score of **80% (Elite + Silver)** by Indian Institute of Technology, Guwahati, Aug-Sep 2022(12 Week Course).
- NPTEL Online Course Certification Successfully completed the course “**The Joy of Computing Using Python**” with consolidated score of **86% (Elite + Silver)** by Indian Institute of Technology, Ropar, Feb - Apr 2022(12 Week Course).
- Microsoft Certified has Successfully Completed the requirements of “**Azure AI Fundamentals**”, October 22nd 2022.
- Microsoft Certified has Successfully Completed the requirements of “**Data base Administration Fundamentals**”, June 25th 2022 .
- NPTEL Online Course Certification Successfully completed the course “**Database Management System**” with consolidated score of **82% (Elite + Sliver)** by Indian Institute of Technology, Kharagpur, Feb - Apr 2019(8 Week Course).
- NPTEL Online Course Certification Successfully completed the course “**Blockchain Architecture Design and Usecases**” with consolidated score of **46%** by Indian Institute of Technology, Kharagpur, July – Oct 2018 (12 Week Course).
- NPTEL Online Course Certification Successfully completed the course “**Outcome Based Pedagogic Principles for Effective Teaching**” with consolidated score of **57%** by Indian Institute of Technology, Kharagpur, 2018(8 Week Course).
- NPTEL Online Course Certification Successfully completed the course “**Cloud Computing**” with consolidated score of **65% (Elite)** by Indian Institute of Technology, Kharagpur, Aug – Oct 2017 (8 Week Course).
- Completed Online Course “**Introduction to Data Science in Python**”, authorized by Michigan University offered through Coursera in 2018.
- Completed Online Course Certification on “**Applied Data Science with Python**” authorized by Michigan University offered through Coursera in 2018.
- Completed Online Course Certification on “**Data Structures and Algorithms**” authorized by Michigan University offered through Coursera in 2018.

MEMBERSHIPS OF PROFESSIONAL BODIES:

- Associate fellow of APAS in recognition of his contribution to Science & Technology on the 17th Day of March 2021.
- Life Member of Indian Society for Technical Education (ISTE) – **LM 91220**.
- Life Member of Computer Society of India (CSI) – **I1500504**.
- Associate Member of the Institution of Engineers. (AMIE) – **AM150707-1**.
- Member of the Institution of Engineers (MIE) - **M-1762642**
- Member of International Association of Engineers (IAENG) – **137236**.
- Member of Computer Science Teachers Association (CSTA) – **1106241**.
- Member of Universal Association of Computer and Electronics Engineers (UACEE) – **AM 1005029**.
- Member of International Association of Computer Science and Information Technology (IACSIT) – **80349922**.
- **orcid:** 0000-0002-9893-9053, **vidwan id:** 320267,
- **scopus:** 57212145660, **web of science:** HGJ-8372-2022

AWARDS:

- Received Award “Outstanding Online Teacher of the year Award” by the 7th Ideal Teaching Award Programme - 2022 on 2nd October 2022.
- Received Award “**BEST ENGINEER AWARD**” for the distinguished services rendered during the year 2021-22 by the Institution of Engineers(India), Kadapa Local center on 15.9.2022.
- Received Award of “**Adarsh Vidya Saraswati Rashtriya Puraskar**” for significant achievements and sustained excellence in the field of engineering on July 2nd, 2018.

PUBLICATIONS:

1. **Dr.B.Muni Lavanya**, P. Vijaya Kumari, published a paper titled “Traffic Sign Recognition system” in MUKT SHABD Journal, Volume XI, Issue IV, April 2022, Page No : 529-540, DOI:10.0014.MSJ.2022.V11I04.0086781.113058. link: <http://shabdbooks.com/Vol-11-Issue-4-2022/>, paper link: <https://app.box.com/s/pvsd1pdtw9nq47z3m9ltfxawcvsqkxic>, ISSN NO : 2347-3150
2. G. N. Vivekananda, **B. Muni Lavanya**, P. Dileep Kumar Reddy published a paper titled “DLM technique for QoS improvement in MANETS” Wireless Networks, [https://doi.org/10.1007/s11276-021-02622-1\(0123456789\(\).-volV\)\(0123456789.-\(\).volV\)](https://doi.org/10.1007/s11276-021-02622-1(0123456789().-volV)(0123456789.-().volV)). Issue 4/2021, Springer SCI- E. Published online 24/04/2021. 1022-0038 / 1572-8196.
3. **Dr.B.Muni Lavanya**, Dr.S.J Saritha, K.Chandrasekhar, published a paper titled “Network simulation tools performance comparison for wireless networks”, June 2021| IJIRT | Volume 8 Issue 1 | ISSN: 2349-6002, <http://ijirt.org/Article?manuscript=151779>.
4. **Dr. B. Muni Lavanya**, Dr. S. J Saritha, K. Chandrasekhar, published a paper titled “AUTOMATIC FACIAL RECOGNITION ATTENDANCE SYSTEM”, PENSEE international journal, ISSN: 0031-4773, <https://app.box.com/s/idebmfa0bkj52oq41sw9pqiv9u9iur7>.
5. **B. Muni Lavanya**, Dr. MiddeRanjith Reddy, AppawalaJayanthu, published a paper titled ”Recognition of different Voice Pathologies with data augmentation strategies”,

International Journal of advanced Science and Technology Vol.29, No. 7s.(2020). PP 899-905.ISSN:2005-4238.

Link:

<http://sersc.org/journals/index.php/IJAST/article/view/10067>

6. **B. Muni Lavanya** et.al, published a paper titled “A Machine Learning Model for Recommending Restaurants based on User Ratings”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-9 Issue-1, May 2020. Link: <https://www.ijrte.org/wp-content/uploads/papers/v9i1/A1189059120.pdf>
7. **B. Muni Lavanya** and C ShobaBindu, “Fuzzy Logic based Channel Selection Algorithm for Wireless Mesh Networks”, International Journal of Advanced Trends in Computer Science and Engineering, Volume 8 No. 5, Sep – Oct 2019.
8. **B. Muni Lavanya**, C. ShobaBindu, and G. Vijaya Kumar, “Internet Traffic based Channel Selection in MultiRadio Multi-Channel Wireless Mesh Networks”, International Journal of Communication Networks and Information Security, Vol. 11, No. 2, August 2019.
9. **B. Muni Lavanya**, C. ShobaBindu, and G. Vijaya Kumar, “User Throughput based Channel assignment Method for IEEE 802.11 Multi-Channel Multi-Radio Wireless Mesh Networks”, Journal of Advanced Research in Dynamical and Control Systems, Vol. 11, 2019.
10. **B. Muni Lavanya et.al**, Published a paper titled “**Diagnosis of Indian Patients Liver Disease using Machine Learning Techniques**” in “International Journal of Research in Advent Technology”, E-ISSN: 2321-9637, Vol 7, No. 4, April 2019.
11. **B. Muni Lavanya et.al**, Published a paper titled “**Providing the Resources by Using Scheduling algorithm in Cloud computing**” in “International Journal of Computer Science and Engineering”, E-ISSN: 2347-2693, Vol.-6, Issue-11, Nov 2018 .
12. **B. Muni Lavanya** and P. Dileep Kumar Reddy, Published a paper titled “Efficient Data Processing for Balancing Performance and Power consumption with Big Data” in “International Journal of Emerging Technologies and Innovative Research (JETIR)”, ISSN-2349-5162, April 2018, Volume 5, Issue 4.
13. **B. Muni Lavanya**, Published a paper titled “A Bird’s Eye View of Crypto Currency (Bitcoin)” in “Journal of Network Communications and Emerging Technologies (JNCET)”, Volume 8, Issue 3, March (2018).
14. **B. Muni Lavanya**, Published a paper titled “**Blockchain Technology Beyond Bitcoin: An Overview**” in “International Journal of Computer Science and Mobile Applications”, Vol.6 Issue. 1, page No: 76-80, ISSN: 2321-8363, January- 2018.
15. **B. Muni Lavanya et.al**, Published a paper titled “**Systematic Literature Review On Resource Allocation And Scheduling In Cloud Computing**” in “International Journal of Advanced Information Technology”, ISSN: 2231 -1548, Volume 6, Number 4, August 2016.
16. **B. Muni Lavanya**, Published a paper titled “**Study And Performance Analysis Of The Wyllie’s List Ranking Algorithm Using Various Parallel Programming Models**” in Indian Journal Of Computer Science and Engineering”, ISSN:0976 – 5166, Vol. 4 No. 5 Oct-Nov 2013, Page No: 399 - 403.
17. **B. Muni Lavanya**, Published a paper titled “**Study And Performance Analysis Of Tree Scan Algorithm For Multi – Core Architectures**” in “International Journal of

GUEST LECTURES:

- 1) Educative lecture delivered on **“Full Stack Development”** as part of the 2 day Workshop organized by KOLM, Kadapa on 20-21 October 22.
- 2) A Information and Educative lecture on **“The Joy with PYTHON”** as part of the seminar organized by Institution of Engineers(India), Kadapa in Global College of Engineering(Kadapa) on 26th August 2022.
- 3) A Guest Lecture for one day on **“Algorithms”**, to II B.Tech CSE on 2.4.2016 organized by St. Johns College of /engineering & Technology, Yerrakota, Yemmiganur.
- 4) A Guest Lecture for one day on **“Data Structures”**, to IB.Tech CSE on 2.12.2017 organized by St. Johns College of /engineering & Technology, Yerrakota, Yemmiganur.
- 5) A Guest Lecture for one day on **“Wireless Mesh Networks”**, to III B.Tech CSE on 7.10.2017 organized by St. Johns College of /engineering & Technology, Yerrakota, Yemmiganur.
- 6) Delivered a invited talk on **“Cloud Computing“**, to the faculty members of the Loyola Polytechnic on 12.08.2017
- 7) Delivered a invited talk on **“Computer Networks“**, to the students of the Loyola Polytechnic on 09.07.2016.

Conferences:

- Attended an International Conference organized by SCAD Institute of Technology In Association With IEEE and presented a paper on **“A Study on Channel Assignment Algorithms for Multi Channel Multi Radio Wireless Mesh Networks”** on 7-8 December, 2017 at Palladam, Tamilanadu.
- Attended an International Conference organized by IRAJ Research Forum In Association With Institute Of Research And Journals And Presented A Paper On **“Parallel Prefix Scan With Compute Unified Device Architecture”** On 25th May 2014 At Chennai.
- Attended an International Conference on **Computer Science and Information Technology** and presented a paper on **“Porting Nymble System In To Mobiles”** on 1st July 2012 at Bangalore.

WORKSHOPS ORGANIZED:

- Organized one day workshop on **“Data Science”** for the I B.Tech students of CSE, ECE, & EEE in JNTUA College of Engineering Pulivendula in association with Instituion of Engineers India on 29.04.23.

FDP ATTENDED:

- Participated in a One Week Online FDP on “Opportunities and challenges in IT Sector: Software Bootcamp - unlock your potential” organized by the Department of Computer Science & Engineering of G. Pulla reddy Engineering college from 6th to 11th march 2023.
- Participated in a One Week Online FDP on “Machine Learning in Big Data Analytics, Principles, Techniques and Challenges” organized by the Department of Computer Science & Engineering of NARSIMHA REDDY ENGINEERING COLLEGE, during February 13th to 18th 2023 and Secure Grade A+ in Final Assessment.
- Participated in Five-Day National Online Faculty Development Program (FDP) on "Data Science and Its Implications" organized by CSE (Data Science) SRIT Ananthapuramu in association with ShreeTech Innovative IT R&D, Madurai held from 03rd to 07th January 2023 .
- Participated in Faculty Development Workshop on "Data Science and Machine Learning using Python", Organized by MIT Meerut and Delivered by Edunet Foundation during 04 July - 08 July 2022.
- Participated Five day National Level On-line FDP on “Current Research trends in Artificial intelligence and Machine learning” organized by Department of Computer Science & Engineering of GATES Institute of Technology, Gooty, Ananthapuramu during 07.03.22 to 11.3.22
- Participated 40-hour Online FDP on “Data Science Foundation & Research Issues” sponsored by Ministry of Electronics & information Technology GOI, organized by E&ICT Academy, NIT Warangal and Jawaharlal Nehru Technological University Anantapur during 19th – 29th October, 2021.
- Attended a AICTE sponsored online FDP on “Quantum computing and Machine Learning” organized by the department of Computer Science and Engineering, JNTUACE, Pulivendula and Directorate of Faculty Development & IQAC, JNTUA, Ananthapuramu on 30.11.20 to 05.12.20.
- Attended a AICTE sponsored Two week online FDP on “Opportunities in Artificial Intelligence and Enabling Technologies for Internet of Things(IOT)” organized by the department of Computer Science and Engineering, JNTUACE, Ananthapuramu on 12-23 October, 2020.
- Attended a 20 days online FDP on “ R Programming” organized by Andhrapradesh State Skill Development Corporation on 7th September, 2020 to 5th October 2020.
- Attended a one week National level online FDP on “ Computer Networks Simulation Using NS2” organized by the department of Computer Science and Engineering, MGIT in association with TASK on 10 – 14 August 2020.
- Attended a 10 hours FDP on “Block Chain Technology” organized by APSSDC on 13th – 17th, July, 2020.
- Participated & completed successfully AICTE Training And Learning(ATAL) Academy Online FDP on "Data Sciences" from 26-05-2020 to 30-05-2020 at JNTUA College of Engineering,Pulivendula.

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blockchain" from 20-04-2020 to 24-04-2020 at JNTUA College of Engineering, Pulivendula.
- Attended a Two day national level faculty development programme on “**Cloud computing – Amazon web services development**” organized by Department of Computer Science and Engineering, JNTUACEP, Pulivendula on 16th – 17th September, 2016.
- Attended a Two week Development Programme on “**Software Engineering**” jointly Organized by Dept. of CSE, JNTUA CE Ananthapuramu and Electronics & ICT Academy, National Institute of Technology, Warangal from 17th to 28th June, 2016.
- Attended a Two Week Faculty Development Programme on “**BigData Analytics**” from 20th May to 2nd June, 2016, Organized by Acharya Nagarjuna University, Guntur.
- Attended a Two Day National Level Faculty Development Program on “**Entrepreneurship Development Initiative In India (EDII-16)**” in Collaboration with IEEE Hyderabad, Organized by JNTUACEP, Pulivendula on 16th – 17th March, 2016.
- Attended ten days Faculty Development Programme (FDP) on “**Theory of Computation**” organized by the Electronics & ICT Academy, Department of Computer Science & Engineering, National Institute of Technology, Warangal from 18th – 27th January, 2016.
- Attended a Three day faculty development program on “**.NET Training**” organized by Microsoft and IEG from 20th to 22nd, Sep 2010 in Audisankara College of Engineering & Technology”, Gudur.

TRAINING PROGRAMMES ATTENDED:

- Attended a AICTE sponsored One week online STTP on “Internet of Things (IOT) Based Green Energy Systems” organized by Department of Computer Science and Engineering, B V Raju Institute of Technology, Telangana on 14-19 September, 2020.
- Attended a One week hands on training on “**Internet of Things(IOT)**” Organized by “Engineering Staff College of India” from 24th – 28th Sep, 2018.
- Attended a Three day short term training program on “**Paper and Article Writing with LATEX**” organized by Department of Electrical and Electronics Engineering, JNTUACEP, Pulivendula from 17th to 19th, March 2017.
- Attended a Professional Development Programme on “**BigData Analytics using MS Excel & R tool**” organized by Engineering Staff College of India from 21st to 24th Sep, 2016.

WORKSHOPS ATTENDED:

- Attended a One week Online Faculty Induction workshop on “**Thrust Areas**” held from 10.10.2022 to 15.10.2022 organized by Madanapalle Institute of Technology & Science.

- Attended a one day workshop on “**Innovations in Technology**”, on 9th December, 2015 at JNTUA College of Engineering (Autonomous), Ananthapuramu.
- Attended a one day workshop on “**Role of Women in Engineering (WIE) Education through IEEE**” on 19th September, 2015 at JNTUA College of Engineering (Autonomous), Ananthapuramu.
- Attended a One Week Orientation program on “**Research Methodology**” Organized by JNTUA.
- Attended a Three day Workshop on “**Cloud Computing And Bigdata**” organized by JNTUACEP, Pulivendula during 23rd – 25th January, 2015.
- Attended a National level Workshop on “**Cloud Computing in Academics And Research**” organized by JNTUACEP, Pulivendula during 4th – 6th April, 2014.
- Attended a Two day National Workshop on “**Research Applications In Digital Image Processing**” on 14th – 15th March, 2015, organized by JNTUACEP.
- Attended a two day workshop on “**Recent Trends In Networking And Security**” on 15th – 16th November, 2013, organized by JNTUA.
- Attended a three day National Workshop on “**Ooad Using Uml With Rational Rose**” organized by JNTUACEP, from 14th to 17th July, 2010.

WEBINARS ATTENDED:

- Attended a International Webinar on “Sama circular Model and ARIMA on Forecasting Consumer price Index of India” organized by AURORA’s Degree and PG College on 31st August, 2020.
- Attended a online session on “Self-Management Program: SWAYAM” conducted by “Educationist Rana Vikram Singh” jointly organized by Andhra Pradesh State Skill Development Corporation (APSSDC) and Educationist Super group along with TES ventures on 20th July, 2020.
- Attended a webinar series on “ICT Enhanced Teaching & Learning 2.0” organized by Department of Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad on 8 – 9 August, 2020.
- Attended a webinar on “Impact of COVID -19 on the Development of Rural Economy – challenges and opportunities” organized by Lead India Foundation on 27th July, 2020.
- Attended a webinar sponsored by TEQIP - III on “National Educational Policy 2020” organized by JNTUACEA on 19.9.20.
- Participated in the webinar on “Virtual Reality” presented by Mr. R. Raj Kumar, SRM IST, Kattankulathur, Chennai, Organized by the Department of CSE, ST. ANNE’S College of Engineering and Technology, Anguchettipalayam, Panruti, on 20th, May 2020.

ORIENTATION PROGRAMS:

- Attended AICTE – ISTE approved Orientation / Refresher Programme on “IOT & Machine Learning” organized by JNTUA College of Engineering, Ananthapuramu from 3.12.21 to 9.12.21, 2021.
- Attended AICTE – ISTE approved Orientation / Refresher Programme on “Business Intelligence & Big Data Analytics” organized by SV College of Engineering (Autonomous), Tirupati from 9.12.21 to 15.12.21, 2021.

STRENGTHS:

- Ability to work in a team with good communication
- Positive attitude.
- Friendly in nature and dedicated to work

PERSONAL PROFILE:

Name	: B. Muni Lavanya
Husband's name	: M. Karunakar
Gender	:Female
Date of birth	:01-06-1988
Marital status	:Married
Nationality	:Indian
Languages known	:English, Telugu, Hindi
Hobbies	:playing shuttle, listening to music.

DECLARATION:

I hereby declare that the above information and particulars are correct to the best of my personal knowledge and belief.

Place:

Date:

Signature of the Candidate

(Dr. B. MUNI LAVANYA)