

**ALLACHERUVU BRAHMAIAH**  
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**| (+91) 7730050351**



### EDUCATION

- ❖ Master of Science in Computer Science | Central University of South Bihar, Gaya [NAAC Grade A++] CGPA: 7.8/10.0 |(2022 - 2024)
- ❖ Bachelor of Science in Computer Science| SRR & CVR Govt College(A) Krishan dist. Andhra Pradesh (Krishna University Machilipatnam). CGPA:8.49 /10|(2019- 2022)
- ❖ XII ( A.P. Board ) | Sri Pratibha Junior College Ongole, Prakasam dist. Andhra Pradesh CGPA: 8.61 /10|(2017-2019)
- ❖ X ( A P Board ) |ZPHS Marripalem Prakasam dist., Andhra Pradesh CGPA: 9.0/10 | (2016-2017)

### WORK EXPERIENCE

#### **Assistant Professor – Computer Science Department**

#### **RK College of Engineering | 06/2024 – Present**

- ❖ Designed and delivered lectures on core computer science subjects, including Machine Learning, Artificial Intelligence, and Data Structures.
- ❖ Mentored undergraduate and postgraduate students in research projects focused on AI, IoT, and deep learning applications.
- ❖ Supervised final-year students in developing real-world applications, including an AI-driven robotic system for automation.
- ❖ Published research papers on the integration of deep learning and machine learning optimization algorithms.
- ❖ Collaborated with industry experts to organize tech fests and poster presentation competitions.

### PAPER PUBLICATIONS

- ❖ Evaluation and Prediction of Climatic parameters based on IoT systems using Machine learning and Neural network algorithms preprint publication on 11 Sept 2024.
- ❖ An IoT-Based Solution for Satellite Power Management and Environmental Data Collection Publication on ICTACT Journal on Microelectronics on 04 Jan 2025.

## ACADEMIC PROJECTS, EXPERIENCE

- ❖ **Machine Learning Project on Rainfall data of Temperature and Atmospheric Co<sub>2</sub>**— Leveraging IoT systems, Blynk IoT manages demo-satellite power remotely, integrating sensors to regulate variables and utilizing real-time sensor data for trend prediction and Future prediction of 1 month, 6 months and 1 year via machine learning. A GUI visualizes predictions.

Supervised by:

***Dr R Srinivas (Sci./Engr.-SF) and Smt Savitha Sunkari (Sci./Engr.-SE)***

Department of Space, Govt of India, National Remote Sensing Center (ISRO), Jeedimetla, Hyderabad.

*(Jan'24 – May'24)*

- ❖ **Analytical analysis of influencing power of users on social media using AmazonDynamoDB** -Big Data, NoSQL, Cassandra, Hadoop, Analytics

Under the supervision of:

***Dr. Prabhat Ranjan (Associate Professor, Head of and Aman***

***Kumar Routh (PhD Scholar), Department of Computer Science, Central University of South Bihar***

*(Nov '23 – Jan'24)*

- ❖ **Literature survey for IoT for Health:** Internet of Things, Healthcare, Remote Patient Monitoring, Telemedicine, AI in Healthcare: The Internet of Things (IoT) is developing into an impressive automation, communication between objects ("Things", "Devices"), its converting sensor data with the use of the internet and a connection to a cloud database. IoT offers a seamless framework to enable communication between people and various physical and digital objects, including areas of personalized healthcare

Supervised by:

***Dr. Piyush Kumar Singh (Assistant Professor) and Mahamad Hassan (PhD Scholar),*** Department of

Computer Science, Central University of South Bihar.

*(Jun '23 – Jul '23)*

- ❖ **Database Project on Faculty Profile Portal for a university –**

A comprehensive platform that helps manage and streamline various faculty profiles. It involves handling tasks such as departments, research, publications, courses etc.

Supervised by:

***Dr. Nemi Chandra Rathore (Assistant Professor),***

Department of Computer Science, Central University of South Bihar

*(May '23 – Jul '23)*

## WORKSHOP, SEMINAR ATTENDED

- ❖ Participated in an Online Workshop on BUILDING SENSOR NODES (BSN-2023), by the Department of Computer Science and Engineering, IIT (ISM) Dhanbad on 21 Oct '23.

- ❖ Participated in OptiSim Competition -THE SIMULATION CHALLENGE conducted in association with FlexSim during Optima 2023, the Techno-Optimization fest of IIT Kharagpur on 8 Oct '23.
- ❖ Attended various Workshops, Seminars and Lectures on Data Analysis, Internet of Things (IoT), Optimization, Artificial Intelligence (AI), Natural Language Processing (NLP), Prediction and Demand Forecasting during Optima 2023, the Techno-Optimization fest of IIT Kharagpur between 5 Oct '23 to 8 Oct '23.
- ❖ Employability Skills under" Life Skills", a program organised by Rubicon in collaboration with SRR & CVR Government Degree College, Vijayawada, Andhra Pradesh).
- ❖ Entrepreneurship and Leadership Development program Participation (IIMFIELD, MONPRENEUR, Igniting Sparks of Innovation)
- ❖ Introduction to Programming using Python (Microsoft Technology Associate \_Date of achievement: June 30,2022 verify.certport.com [wYpyH-2FwT])

### SKILLS

- ❖ SQL- MySQL, NoSQL- Cassandra
- ❖ Python, C, C++ Programming Language, Machine Learning.
- ❖ LaTeX, Power BI, Zotero.
- ❖ Microsoft Excel, Word, PowerPoint.
- ❖ Relevant Coursework: Artificial Intelligence, Machine Learning Foundation, Database Management System, Big Data & Analytics Fundamentals, Operating System, Research Methodology Foundation, Design Analysis and Algorithm.

### ACHIEVEMENTS

- ❖ Coordinated in SOFTWARE FREEDOM DAY, 22 Sept '23, organised by the Department of Computer Science at Central University of South Bihar.
- ❖ Qualified National level Common University Entrance Test, CUET (PG) 2022.

### DECLARATION

I hereby declare that the above-furnished details are true to my belief and knowledge.

Yours Sincerely

**ALLACHERUVU BRAHMAIAH**