

# Amulya Kodumuri

## Assistant Professor

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### PROFILE

Dedicated and innovative Assistant Professor with 1 year of experience in PSCMR CET. Passionate about fostering academic excellence and driving student success through interactive and comprehensive teaching methods. Adept at curriculum development, academic advising, and collaborative research projects. Recognized for effective communication skills, commitment to scholarly advancement, and a proactive approach to professional development

### EDUCATION

#### **B.Tech**

VITW

#### **Information Technology**

Relevant Coursework: C, C++, Java, Data Mining, DBMS, Operating Systems, Software testing Methodologies, Web Technology, Bio metrics, Design Patterns, Information Security, Mobile Computing

#### **M.Tech**

KL UNIVERSITY

#### **Artificial Intelligence and Data Science**

**CGPA-9.95**

Relevant Coursework: Cloud Infrastructure Services, Java, Big Data Analytics, Machine Learning, Deep Learning, Data Structures, Natural Language Processing, Mathematical Programming, Big Data Optimization



## PROFESSIONAL EXPERIENCE

07/2023 – present

### **Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology (PSCMR CET)**

Assistant Professor

#### ***Subjects dealt:***

- Object Oriented Programming through C++
- R Programming
- Introduction to Programming through C

#### **Content Writer**

Wrote multiple articles



## PUBLICATIONS

16/03/2024

### **Under Water Image Enhancement using Custom VGG19**

IJISAE

This research introduces an innovative approach to underwater image processing through the use of a modified VGG-19 architecture, renowned for its exceptional image processing capabilities using Variational Bayesian-based Robust Adaptive Filtering (VBRAF). Enhancing the model's adaptability to the unique challenges of underwater conditions using image processing; this method incorporates a specialized encoder based on the VGG-19 architecture, enriched with additional custom layers for detailed from underwater imagery.



## PROJECTS

### **Under Water Image Enhancement using Custom VGG19(M.Tech)**

*Technology used:* Deep Learning, VGG19 CNN model

This research introduces an innovative approach to underwater image processing through the use of a modified VGG-19 architecture, renowned for its exceptional image processing capabilities using Variational Bayesian-based Robust Adaptive Filtering (VBRAF).

### **Selective data stream blocking mechanism for networks(B.Tech)**

*Technology used:* Java, Manual Testing

This project is based on sending packets from one machine to another machine.

### **E-medical Advisor(B.Tech)**

*Technology used:* HTML, Java, Manual Testing

This application helps you answer the questions about what medical conditions one has.

## SKILLS

**Technical Skills:** C | C++ | Java | Python | Manual Testing | Automation Testing | Data Structures | R programming

## CERTIFICATES

- Google Associate Cloud Engineer Certified
- Testing Tools Certified
- Scrum Fundamentals Certified

## AWARDS

### Academics

- **Received First Rank for Appreciation for outstanding academic performance, KL University.**
- **Poster presentation on Tsunami Warning System in mobile phones at MIC College of Technology.**
- **Poster presentation on Wireless Communication in Loyola College of engineering.**
- **Paper presentation on Virus and Antivirus in Nimra College of Engineering, and many more.**

## FDP

### Cloud Infrastructure(AWS)

AICTE

Attended one week National Level Faculty Development Program Organized By Brainovision Solutions India Pvt Ltd in collaboration with All India Council for Technical Education during the period of August 21st to 25th 2023.

### ML and DL

Attended Five day online Faculty Development Program on EXPLORE INNOVATIVE TRENDS IN MACHINE LEARNING AND DEEP LEARNING held on 10th-14th June 2024 organized by Department of CSE-AIML LBRCE.

### Generative AI for Data Visualization

Attended One Week Online Faculty Development Program on GENERATIVE ARTIFICIAL INTELLIGENCE FOR DATA VISUALIZATION

## ADDITIONAL RESPONSIBILITIES HELD

- CSE Department Website Co-Ordinator

- 15 Day EDUINO ROBOTS Workshop Co-Ordinator
- NBA Criteria-3 Member
- NAAC Criteria-5



## LANGUAGES

- English , Hindi , Telugu



## ADDITIONAL SKILLS

- Situational awareness and team management
- Good at work management and supervision
- Innovative mindset and strong motivation to learn
- Excellent presentation skills



## PERSONAL PROFILE

Date of Birth: 04 April 1992

Nationality: Indian

Gender: Female

Marital Status: Married

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Bhavanipuram,

Vijayawada-12.



## DECLARATION

I here by declare that all the information furnished above is true to the best of my knowledge.

**Amulya Kodumuri**