

Kayala Durga Eswar

Bachelor of Technology

Anil Neerkonda Institute Of Technology And Sciences

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🌐 LinkedIn Profile

🐙 GitHub Profile

PROFESSIONAL SUMMARY

Computer Science Engineering student with expertise in MERN stack development, machine learning, and cloud technologies. Strong foundation in data structures, algorithms, and hands-on project experience in web development and AI.

EDUCATION

•Bachelor of Technology in Computer Science and Engineering

2023-27

Anil Neerkonda Institute Of Technology And Sciences

CGPA: 8.9

TECHNICAL PROJECTS

•Upadhi - MERN Stack Web Application

March 2025

Full-stack web application built using MongoDB, Express.js, React.js, and Node.js

- Developed a complete full-stack web application using MERN stack architecture
- Implemented responsive frontend with React.js and modern UI/UX design principles
- Built robust backend APIs with Node.js and Express.js for seamless data management
- Integrated MongoDB for efficient database operations and user authentication
- Repository: <https://github.com/KayalaDurgaEswar/Upadhi.git>
- Technology Used: MongoDB, Express.js, React.js, Node.js, JavaScript, HTML, CSS

•Face Detection Machine Learning System

June 2025

Computer vision project implementing face detection using machine learning algorithms

- Developed face detection system using scikit-learn and K-Nearest Neighbors (KNN) algorithm
- Implemented image preprocessing and feature extraction for accurate face recognition
- Achieved high accuracy in face detection through optimized machine learning model training
- Technology Used: Python, scikit-learn, KNN, OpenCV, NumPy, pandas

•Gesture Controller System

September 2024

Computer vision-based control system using hand gesture recognition

- Developed real-time hand gesture recognition system for computer control applications
- Implemented computer vision algorithms for accurate hand tracking and gesture interpretation
- Created intuitive user interface for seamless human-computer interaction
- Technology Used: Python, OpenCV, MediaPipe, Machine Learning, Computer Vision

PROFESSIONAL EXPERIENCE

•Programming Tutor

August 2024 - November 2024

Teaching Assistant Role

Data Pro Institute

- Taught programming fundamentals to 20+ students, improving their coding proficiency by 40%
- Developed comprehensive instructional materials for Python, Java, and data structures
- Provided personalized one-on-one mentoring, adapting teaching methods to individual learning styles
- Enhanced personal technical communication skills and deepened understanding of CS concepts

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, Java, HTML5, CSS3

Web Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js), RESTful APIs, Responsive Design

Machine Learning & AI: scikit-learn, KNN, Computer Vision, OpenCV, MediaPipe, NumPy, pandas

DevOps & Cloud: Docker, Kubernetes, AWS (Learning), Git, GitHub

Databases: MongoDB, MySQL, Firebase, Database Design, Query Optimization

Development Tools: VSCode, Git, GitHub, Jupyter Notebook

Frameworks & Libraries: React.js, Express.js, Node.js, C++ STL, Python Libraries

Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, Software Engineering, Compiler Design

Areas of Interest: Full-Stack Development, Machine Learning, Cloud Computing, DevOps, Compiler Design

Soft Skills: Problem Solving, Team Leadership, Technical Communication, Adaptability, Self-Learning

LEADERSHIP & RESPONSIBILITIES

•Founder & Mentor, Prismatica Student-led Tech Club

2023-2024

- Established student-led tech club mentoring 100+ students in Python, Java, Web Development, and AI
- Organized workshops and coding sessions to build practical skills and foster collaborative learning
- Connected theory with practice, enhancing problem-solving capabilities and promoting leadership development