MULA RUTHIK REDDY

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Data Engineer | Full Stack Developer | Problem-Solver

PROFILE

I am a motivated computer science graduate with a strong foundation in **problem-solving, data analysis**, and **full-stack development**. Proficient in **Java**, **Python**, and **Data Structures**, I have practical experience in web development and machine learning projects. With internships at esteemed organizations like **DRDL** and **IBM**, I bring a blend of technical expertise and adaptability. My focus is on leveraging my analytical skills and technical knowledge to deliver innovative solutions in real-time environments.

SKILLS

- **Languages**: Java, Python, C, C++.
- **Web Development**: JavaScript, React.js, HTML, CSS, Bootstrap.
- **Backend**: Node.js, Express.js, PHP.
- **Database Management**: MySQL, MongoDB.
- **Core Knowledge**: Data Structures, Computer Networks, Operating Systems.
- **Tools**: Git, Visual Studio Code, XAMPP, Postman.

EDUCATION

B.Tech in Computer Science Engineering | TKR College of Engineering and Technology
Meerpet, Hyderabad | 2021 – 2025 | CGPA: 8.7/10
Intermediate (MPC) | Narayana Junior College
Adibatla, Hyderabad | 2019 – 2021 | Percentage: 97.6%
Secondary School Certificate | Sri Chaitanya High School
Boduppal, Hyderabad | 2018 – 2019 | CGPA: 10/10

PROJECTS

Student Result Management System
Duration: June 2024 – July 2024 | Role: Project Lead
- Developed a comprehensive system to streamline result management for educational institutions.
- **Key Features:**
  - Enabled staff to upload Excel files containing student scores and generate results dynamically.
  - Built user-friendly interfaces for students to view and download results as PDFs securely.
  - Designed an admin module for credential management and data integrity.
- **Tech Stack**: HTML, CSS, JavaScript, PHP, MySQL
- **Impact**: Reduced result processing time by 50% and enhanced transparency.

YOLOv8 Object Detection and Distance Estimation

Duration: March 2024 – April 2024 | Role: ML Developer

- Built a real-time object detection system using YOLOv8 and distance estimation techniques.
- Implemented the solution for defense scenarios, optimizing model accuracy and spatial analysis.
- Worked on algorithms for motion detection and applied deep learning to improve detection rates.
- **Impact**: Provided critical insights for defense-related spatial analysis.

CERTIFICATIONS

- **Machine Learning Internship Completion** | DRDL
- **Web Development Internship Completion** | CodersCave
- **Frontend Development Internship Completion** | IBM