Duppalli Aryan Reddy

Hyderabad, India
+91 9618258113
aryanreddy634@gmail.com
LinkedIn: www.linkedin.com/in/aryan-reddy2004

Career Objective

Computer Science and Engineering student with hands-on experience in Python, Flask, MySQL, AI, and Computer Vision. Passionate about developing intelligent software solutions and exploring cybersecurity. Seeking an opportunity to apply my technical and problem-solving skills in a challenging role.

Education

Bachelor of Technology (B.Tech) – Computer Science and Engineering
Visvesvaraya College of Engineering and Technology, Hyderabad
Expected Graduation: 2027

Technical Skills

Technical Skills
Programming: Python, SQL, C (Basics)
Frameworks: Flask, Tkinter, Streamlit
AI & Computer Vision: OpenCV, YOLOv8, InsightFace, NumPy, Pandas, Scikit-learn, Matplotlib
Database: MySQL
Tools: Git, GitHub, VS Code, Jupyter Notebook
Concepts: Machine Learning, Artificial Intelligence, Data Analysis, DBMS, Computer Vision, Object Detection

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Academic Projects

Pay by Presence – AI-Powered Smart Retail Checkout System

- Developed an AI-powered cashier-less retail checkout system using Python, Flask, MySQL, InsightFace, and ESP8266.
- Implemented facial recognition, product weight detection, automated billing, wallet payments, and inventory management.
- Designed a privacy-focused architecture with secure transaction logging.
- Secured First Runner-Up at the Innovation Marathon 2026 organized by Edunet Foundation and SAP.

AI-Based Skin & Hair Analysis System

- Developed an AI-powered web application for detecting acne and dandruff using computer vision.
- Trained and integrated **YOLOv8** models for image-based analysis.

- Improved prediction accuracy through dataset preprocessing and model optimization.

Student Attendance Management System

- Developed a desktop-based attendance management application using **Python, Tkinter, and MySQL**.
- Automated attendance tracking and integrated data visualization using **Pandas** and **Matplotlib**.

Internship Experience

Virtual Internship – Edunet Foundation

Completed a virtual internship focused on AI, Python programming, and data analytics.

Worked on industry-oriented assignments involving machine learning and data visualization.

Gained practical exposure through project-based learning.

Certifications

- Python Programming – Edunet Foundation
- Data Analysis with Python – Edunet Foundation
- Artificial Intelligence & Machine Learning (Advanced) – Edunet Foundation
- Deep Learning (Advanced) – Edunet Foundation
- Edge Computing (Advanced) – Edunet Foundation
- AI and SAP Conversational Chatbot – Edunet Foundation
- SAP Analytics Cloud (Advanced) – Edunet Foundation
- Introduction to Programming with Python – FinesseFleet Foundation

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Achievements

- 🥈 **First Runner-Up** – Innovation Marathon 2026 organized by Edunet Foundation and SAP.
- Developed a working AI-powered smart retail checkout prototype integrating facial recognition and IoT.
- Successfully completed multiple industry-oriented certifications in AI, Machine Learning, Deep Learning, and Data Analysis.

Soft Skills

- Problem Solving
- Analytical Thinking
- Team Collaboration
- Communication
- Adaptability
- Quick Learning