MAREDUKONDA PRAMITH

AI/ML Engineer | Computer Vision | Software Developer

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PROFESSIONAL SUMMARY

Final-year Computer Science Engineering student specializing in Artificial Intelligence, with hands-on experience building Machine Learning and Computer Vision applications using Python, C++, OpenCV and YOLO. Experienced in data preprocessing, feature engineering, model evaluation and deployment using Flask, FastAPI and Docker. Built real-time AI applications and gained practical experience through AI/ML and software development internships. Seeking an AI/ML or Computer Vision engineering role focused on building reliable, real-world AI systems.

SKILLS

Programming: Python, C++, Java, C, SQL

AI/Computer Vision: OpenCV, YOLO, Scikit-learn, NumPy, Pandas, NLP, Classification, Regression

ML: Feature Engineering, Model Evaluation, Hyperparameter Tuning, Data Preprocessing

Backend & APIs: Flask, FastAPI, REST APIs

Development Tools: Docker, Git, GitHub, Jenkins, MLflow, CI/CD

Core CS: Data Structures & Algorithms, DBMS, Computer Networks, Data Analysis

INTERNSHIP / INDUSTRIAL TRAINING

AI Engineer — Aimen Electronics India Pvt. Ltd. *Nov 2025 – Jan 2026*

- Developed and deployed machine learning models in Python, improving prediction accuracy by 40% through data preprocessing, feature engineering, and hyperparameter tuning.
- Achieved 90%+ ROC-AUC on production classification models; performed data analysis to surface actionable business insights.

Android App Developer — Secure DataWare Technologies *Aug 2025 – Oct 2025*

- Developed Android application features using Java and XML, with hands-on experience in debugging, testing and production release.

PROJECTS

AI Vehicle Detection Web Application *[Python, OpenCV, YOLO, Flask]* **[Demo]**

- Built a real-time vehicle detection and classification system using YOLO and OpenCV, integrated with Flask for web-based inference.
- Implemented image preprocessing and model optimization to improve detection performance while maintaining real-time inference.

TruthLens AI — Fake News Detection System *[Python, Flask, Scikit-learn, NLTK]* **[Demo]**

- Developed an NLP-based classifier using TF-IDF vectorization and Logistic Regression to classify news articles as real or fake, achieving 92%+ test accuracy on 6,300+ political news articles.
- Engineered a text preprocessing pipeline using stopword removal and Porter stemming, and deployed the model with Flask featuring real-time predictions, confidence scores, and a visual risk meter.

EDUCATION

Saveetha School of Engineering, SIMATS, Chennai *2023 – 2027*
B.E. Computer Science and Engineering (Artificial Intelligence) — CGPA: 8.83

S.R. Junior College for Boys, Hanamkonda *2023*
12th Grade (HSC) — Mathematics, Physics, Chemistry — 95%

Shine High School, Hanamkonda *2021*
Secondary School Education — CGPA: 10

CERTIFICATIONS

- SQL Database Specialist — Oracle (Credential ID: 100878604OCSSQL12C), October 2024
- Human Computer Interaction — NPTEL, Jan–Apr 2025
- Internet of Things (IoT) — NPTEL, Jul–Oct 2025