

Puneeth Raj

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AI/DS Engineering student seeking opportunities in Machine Learning and Full-Stack Development

Professional Summary

Passionate AI/DS Engineer and Full-Stack Developer with strong expertise in deep learning, computer vision, and modern web technologies. Experienced in building end-to-end machine learning pipelines, developing scalable web applications, and integrating AI APIs. Proficient in Python, TypeScript/JavaScript ecosystem, and cloud platforms to deliver innovative solutions.

Education

Guru Nanak Institute of Technology

Bachelor of Technology in Artificial Intelligence and Data Science

2021 – 2025

Ranga Reddy, Telangana

St. Mary's Junior College

Intermediate (TSBIE)

2019 – 2021

Basheer Bagh, Hyderabad

Projects

Figma to React Code Generator | *React, TypeScript, Gemini AI API*

Dec 2024 – Aug 2025

- Built an AI-powered tool that converts Figma designs to production-ready React components using Gemini API
- Implemented REST API integration and TypeScript for type-safe component generation and validation
- Created responsive UI with real-time preview and code optimization features

Disease Prediction & Drug Recommendation System | *Python, Machine Learning, NLP*

Jan 2024 – Jun 2024

- Built a multi-class disease prediction system using DL algorithms on medical datasets
- Implemented NLP techniques for symptom extraction and drug recommendation

Real-Time Emotion Detection | *Python, OpenCV, TensorFlow*

Aug 2024 – Nov 2024

- Developed emotion and gender classification system using CNNs with live video feed
- Implemented facial detection and preprocessing using OpenCV for feature extraction

Google Meet Automation | *Python, Selenium, Automation*

Jun 2023 – Nov 2023

- Automated login, scheduling, and meeting controls using Selenium
- Implemented robust error handling for daily use across browsers

Student Dashboard | *JavaScript, HTML, CSS*

Mar 2023

- Built a responsive dashboard displaying timetables, marks, and attendance
- Implemented authentication and personalized views using vanilla JavaScript

Technical Skills

Programming Languages: Python, TypeScript, JavaScript, Java, SQL, C, Bash

AI/ML Frameworks: TensorFlow, Keras, OpenCV, Scikit-learn, Pandas, NumPy

Web Technologies: React.js, TypeScript, HTML5, CSS3, JavaScript ES6+, Node.js, REST APIs

Databases: MySQL, PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, VS Code, Linux (Ubuntu), Docker (learning), AWS (learning), Gemini AI API

Core Concepts: Data Structures, Algorithms, Machine Learning, Computer Vision, Web Development, API Integration

Relevant Coursework

AI/ML: Machine Learning, Deep Learning, Computer Vision, Data Mining, Statistics

Programming: Data Structures & Algorithms, Object-Oriented Programming, Database Management

Systems: Windows, macOS, Linux, Computer Networks, Software Engineering

Extracurricular Activities

Google Developer Student Clubs (GDSC)

2021 – 2025

Active Participant in Cloud Computing Events

Hyderabad

- Participated in cloud computing workshops and collaborative development projects
- Gained hands-on experience with cloud services and modern development practices