Pranay Payyavula

Artificial Intelligence Enthusiast — Full Stack Developer
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Objective

I am a passionate and highly motivated student pursuing a B.Tech in Computer Science and Engineering (AI) at Amrita Vishwa Vidyapeetham, aiming to apply my knowledge in artificial intelligence, machine learning, and full-stack development in real-world scenarios. With hands-on experience in developing AI-driven applications, data analysis, and web development, I seek an opportunity to contribute to innovative projects that drive growth and technological advancements. My goal is to work with a dynamic team where I can further enhance my skills and contribute towards impactful solutions in the field of technology.

Education

B.Tech, Computer Science & Engineering (AI)
Amrita Vishwa Vidyapeetham, Coimbatore 2022 – 2026
CGPA: 6.27

Senior Secondary (XII)
Andhra Pradesh State Board, Narayana Junior College Ongole 2022
Percentage: 93.70

Secondary (X)
CBSE, Sai Baba Central School, Prakasam 2020
Percentage: 88.60

Skills

Programming: Python, HTML5, CSS, JavaScript, CSS Grid, CSS Flexbox, Bootstrap
Data Analytics: Numpy, Pandas, Matplotlib, Seaborn
Web Tech: HTML, CSS, JavaScript
Databases: PostgreSQL, MongoDB
Frameworks: TensorFlow, PyTorch,OpenCV
Concepts: Data Structures, Algorithms, Machine Learning, Deep Learning

Projects

Estimation of Mood from Music: Feature Extraction and Analysis Mar 2024 – Jun 2024
Analyzed data to estimate a person's mood based on their most played music playlists and survey responses.

Weapon Detection (ML) (link) Mar 2024 – Jun 2024
Implemented deep learning models for weapon detection, achieving 87% accuracy with MobileNet and 92% with Xception model. Optimized performance through data preprocessing and hyperparameter tuning.

UR3 Robotics (link) Feb 2023 – May 2023
Simulated UR3 robot manipulator with forward and inverse kinematics. Implemented the CCD algorithm for inverse kinematics and control of UR3's 6-DOF movements.

Certifications

- Career Essentials in Generative AI by Microsoft and LinkedIn (link)
- AI Foundation Certificate (link)
- Introduction to Large Language Models by Google Cloud Skills Boost (link)