

SANJAY

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Summary

A passionate and curious Machine Learning student eager to apply AI to solve real-world challenges. Currently sharpening skills in Python, Scikit-learn, and data visualization while gaining hands-on experience in predictive modeling and AI-driven automation. Recognized for strong problem-solving abilities, clear communication, and a genuine enthusiasm for Generative AI and full-stack AI applications. Skilled in building end-to-end ML and web-based solutions integrating with latest AI trends.

Skills

Programming: Python, Java, C
ML & Data Tools: TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, OpenCV
Web & Dev Tools: FastAPI, React.js, TailwindCSS, MySQL, Figma
Soft Skills: Problem-Solving, Communication, Critical Thinking, Teamwork

Projects

DeepFakeGuard – AI-Based Deepfake Face Detection

Developed a CNN-based model for detecting facial forgery. Integrated a FastAPI backend with a React frontend to enable deepfake detection.

Tools: Python, TensorFlow, Flask, React.js, OpenCV

CompeteTracker – AI Competitive Intelligence Agent

Built an autonomous AI agent to monitor competitor websites, blogs, and social media, summarize key updates using Ollama, and deliver actionable insights through a React dashboard. The agent continuously scrapes and analyzes competitor activity, providing daily or weekly digests automatically with email integration.

Tools: Python, FastAPI, BeautifulSoup, Newspaper3k, Ollama, React.js, TailwindCSS, Axios

Car Price Prediction

Trained a regression model to estimate used car prices and deployed it with Streamlit for interactive and instant predictions.

Tools: Python, Scikit-learn, Streamlit, Pandas, NumPy

Education

2023 – Present	B.Tech in Artificial Intelligence and Data Science , Bannari Amman Institute of Technology, Sathyamangalam Current CGPA: 8.17 / 10
2019 – 2021	Class XII , Kongu Vellalar Matric Hr Sec School, Coimbatore Percentage: 89.8%

Licenses & Certifications

- Introduction to Generative AI – Google
- Prompt Design in Vertex AI – Google
- Develop GenAI Apps with Gemini and Streamlit – Google
- Responsive Web Design – freeCodeCamp
- Introduction to MongoDB – MongoDB
- Oracle Certified Java SE 17 Developer (In Progress)