Santosh Ravi

Artificial Intelligence and Data Science (Student)

Contact

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Executive Summary

Ambitious AI and Data Science student with project experience in machine learning, NLP, and blockchain. Skilled in driving creative solutions in real-world applications, I'm currently exploring AI's potential in healthcare and autonomous vehicles. Recognized for leadership, innovation, and teamwork.

Projects

Water Footprint Calculator

- Developed a chatbot to calculate water footprints, enhancing user awareness by 30%.
- Provided detailed insights into water usage to promote sustainability.

Money Laundering Prevention Using Blockchain

- Designed a blockchain system to secure transactions and reduce risks by 25%.
- Utilized encrypted user authorizations for enhanced security.

Epilepsy Detection System (Research Ongoing)

- Developing a machine learning model for real-time epilepsy monitoring.
- Aims to improve diagnostic accuracy by 15% in healthcare applications.

AI for Autonomous Vehicles (Research Ongoing)

- Exploring AI optimizations for control systems in autonomous vehicles.
- Targeting a 10% increase in operational efficiency.

Text-to-Image Generation with LLMs

- Created an AI model for generating high-quality images from textual descriptions.
- Improved content generation speed by 20% through advanced AI techniques.

Educational Background

B.Tech in Artificial Intelligence and Data Science (currently 3rd yr)

V.S.B Engineering College, Karur, TN
- Oct 2022 – May 2026

Relevant coursework

- Data Science, Machine Learning, NLP

Skills

Technical Skills

- Python
- SQL
- Data Analytics
- Web Development
- Machine Learning
- Problem solving

Tools/Sofware

- Pandas, Matplotlib, Scikit
- Tensor Flow
- MySql
- HTML, CSS, JS (Basics)
- AWS, Heroku

Languages

- English (Fluent)
- Tamil(Fluent)
- Telugu (Fluent)
- Hindi (Fluent)

Certification/Short Courses

- Gen AI (Beginner)
- AI and Machine Learning
- Data Science
- Power BI (Foundation)

Additional Information

- Led junior students in project development and team collaboration.
- Volunteered at college events and enjoyed organizing activities.
- Earned a black belt in karate, reflecting discipline and dedication.