Santosh Ravi

Artificial Intelligence and Data Science (Student)
linkedin.com/in/santosh-ravi1804

GitHub and Leetcode

https://github.com/SANTOSH-TECH7
https://leetcode.com/u/Santosh_R/

Contact

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Executive Summary

Ambitious AI and Data Science student with project experience in machine learning, NLP. 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.

Skills

Technical Skills

- **Programming Languages**: Python, SQL, HTML, CSS
- **Frameworks & Tools**: TensorFlow, Scikit-learn, Pandas, Matplotlib
- **Databases:** MySQL; Basic exposure to database systems and query optimization
- **Software Engineering Concepts**: SDLC, Test Automation Frameworks
- **Version Control Systems**: Git, GitHub

Projects

AI-Powered Pose Tracker for Workout Repetition Counting

- Developed an AI-powered pose tracker with 95% accuracy, tracking 1,000+ repetitions across exercises and improving fitness tracking efficiency by 40%.
- Enabled real-time feedback within 0.5 seconds per frame, enhancing user engagement and workout performance.

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.

Water Footprint Calculator

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

AI for Autonomous Vehicles (Research Ongoing)

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

Other projects:

- Money Laundering Prevention Using Blockchain
- Collaborative Dish Bot for Water Footprint Calculation
- Interactive Chatbot for Agricultural Water Usage

Certification/Short Courses

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

Achievements

Certified in NPTEL:

- "Foundational Course in Machine Learning and Deep Learning" with Distinction

Participation:

- Shortlisted iin MSME 4.0 "Digital Approach to Calculate Water FootPrint.

Internship:

- **Artificial Intelligence :** NoviTech Pvt limited
- **Data Science:** Acmegrade Pvt limited

Educational Background

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

V.S.B Engineering College, Karur, TN
- Oct 2022 – May 2026
- Current **CGPA: 8.6/10**

Relevant coursework

- Data Science, Machine Learning, NLP

Soft Skills

- Analytical Thinking and Problem Solving
- Strong Communication and Interpersonal Skills
- Team Collaboration and Leadership

Additional Information

- Led junior students in project development and team collaboration.
- Volunteered at college events and enjoyed organizing activities.

Languages

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