

Santosh Ravi

Artificial Intelligence and Data Science (Student)

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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

AI-Powered Pose Tracker for Workout Repetition Counting

- Developed an AI-powered pose tracker with 95% accuracy, tracking 10,000+ 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

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

GitHub and Leetcode

<https://github.com/SANTOSH-TECH7>

https://leetcode.com/u/Santosh_R/

Contact

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Skills

Technical Skills

- Python
- Machine Learning
- Deep Learning (found.)
- SQL
- Web Development(found.)
- Problem solving

Tools/Software

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

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 in MSME 4.0 “Digital Approach to Calculate Water FootPrint

Languages

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

Additional Information

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