

SANTOSH SHARMA

Dharuhera, Rewari, Haryana

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LinkedIn

GitHub

LeetCode

GeeksforGeeks

Education

Vellore Institute of Technology, Bhopal 2021 - 2025

Bachelor of Technology in Computer Science

CGPA: 8.60

RPS Public School, Dharuhera 2019 - 2021

Secondary - Higher Secondary

10th: 90% - 12th: 89.4%

Experience

Govshop India Private Limited

Sept 2025 - Present

Research And Data Science Trainee

Saket, Delhi

- Integrated and transformed large-scale research datasets from Excel into SQL databases, ensuring data consistency and scalability for analytics workflows.
- Trained and integrated research datasets using an existing LLM model, automating data processing and improving data accuracy by 40%.
- Conducted in-depth research and analysis on production records using SQL & Excel to identify key operational trends, driving data-driven insights and improving efficiency by 15%.

Projects

Road-Accident-Detection-Alert-System | Python, OpenCV, Machine Learning, Twilio API



- Designed a real-time Python video processing pipeline using OpenCV for efficient and reliable road accident detection.
- Implemented an event-driven alert system integrating Twilio API to trigger automated emergency notifications with minimal latency.
- Optimized detection accuracy by evaluating models using precision, recall, and F1-score metrics on test datasets.

Imagify (AI Image Generator) | React.js, Node.js, Express.js, MongoDB, TailwindCSS, Gemini API



- Developed a full-stack MERN application with scalable RESTful APIs for secure AI-based image generation.
- Executed JWT authentication, structured API routing, centralized error handling, and optimized MongoDB database schemas.
- Configured Gemini API with asynchronous request handling to support stable real-time image generation workflows.

Open Library with AI Book Suggestion | React, Node.js, Express.js, MongoDB, Firebase, Gemini API, Docker



- Built a full-stack library management platform with secure Firebase authentication and a complete book borrowing workflow.
- Established RESTful APIs using Node.js and Express for book, category, and user management with MongoDB.
- Integrated Google Generative AI to provide intelligent, prompt-based book recommendations and deployed a responsive UI with Tailwind CSS.

Skills

Languages and Web Technologies: Python, Java, SQL, ReactJS, NodeJS, ExpressJS, REST APIs

Data Science and Machine Learning: Supervised/Unsupervised Learning, TensorFlow, Keras, Scikit-learn, CNNs, OpenCV, Basic AI/ML, Data Analytic

Tools and Platforms: Power BI, GitHub, Git, Streamlit, Jupyter Notebook, Docker, CI/CD Basics, Anaconda, VS Code, Twilio API, Hugging Face, Excel

Databases and Backend: Supabase, MongoDB, Relational Databases, Query Optimization

Software Engineering: Object-Oriented Programming, Data Structures and Algorithms, Debugging

Other Skills: Agile Basics, SDLC, API Integration

Achievements & Extracurricular Activities

- Solved 200+ coding problems on LeetCode and GeeksforGeeks, strengthening data structures, algorithms, and problem-solving skills.
- Secured an 86% score in the CAT examination, demonstrating strong quantitative aptitude, logical reasoning, and verbal ability.
- Actively involved in tech and sports clubs, contributing to app development initiatives while enhancing teamwork, leadership, and strategic thinking.