

# SANTOSH SHARMA

Dharuhera, Rewari, Haryana

+91-9352447027

07santoshsharma2004@gmail.com



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

*Research And Data Science Trainee*

Sept 2025 - Present  
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.