Pratyush Goutam

✉ pratyush8600@gmail.com 📞 9315921753 🔗 Portfolio in LinkedIn ⌂ Github 🔗 Leetcode

Skills

Languages: Python, C, C++, Java, Go, JavaScript, Typescript, SQL

Technologies: Next.js, Tailwind, Git, MongoDB, Redis, Firebase, PostgreSQL, Prisma

Education

SRM Institute of Science and Technology, Ktr — *June 2022 – May 2026*
B.Tech in Computer Science with Business Systems — ***CGPA: 8.43/10***

- **Relevant Coursework:** Object Oriented Programming, Databases, Discrete Maths, Advance Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Information Retrieval

Experience

Backend Development Intern — *Remote*
Quamin Tech Solutions LLP — *Sep 2024 – Nov 2024*

- Developed and maintained **MongoDB** databases, designing efficient schemas and indexes to enhance query performance. Built scalable **Node.js APIs using Mongoose** for data operations, ensuring seamless integration with frontend systems.
- Implemented aggregation pipelines for complex data analytics and automated database maintenance tasks.

Projects

Shizuka - Sustainable E-commerce Platform — *Github* ↗ *Live* ↗

- Developed a sustainable shopping platform with React & Node.js, featuring product catalog, cart/wishlist, and JWT-secured checkout—deployed on Vercel & Render. Built high-performance REST APIs, implemented efficient state management using Context API, and crafted a responsive mobile-first UI with Tailwind CSS.
- Technologies: **MERN stack (MongoDB, Express, React, Node), JWT, Axios, Git**

EcoVision - AI-Powered Waste Classification — *Github* ↗ *Live* ↗

- Developed a web app using React & Tailwind CSS that classifies waste (recyclable/compostable/hazardous) via image upload or camera scan, leveraging OpenAI's image recognition API for real-time analysis. Engineered a PostgreSQL-backed auth system and integrated an AI chatbot (OpenAI) to guide users on eco-friendly disposal, reducing landfill misuse.
- Technologies: **React, Vite, TypeScript, TailwindCSS, Node.js, PostgreSQL, OpenAI API**

NueroRisk - Drug Consumption Risk Prediction Platform — *Github* ↗

- Built machine learning models to assess substance use risk based on psychological profiles, developed a persistent storage system using PostgreSQL for tracking risk assessments. Created interactive visualizations showing relationships between traits and substance risks.
- Technologies: **Python, Numpy, Pandas, Streamlit, Scikit-learn, PostgreSQL**

Certifications

- Full Stack Web Development Bootcamp — *Udemy* ↗
- Python, C, C++, Java, SQL badges — *HackerRank* ↗
- Big Data Computing — *NPTEL* ↗
- AWS Machine Learning Foundations, Cisco Networking Basics — *Credly* ↗