

SARTHAK ROUTRAY

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ABOUT

I am a Computer Science undergraduate at Manipal University Jaipur with a strong interest in web development, machine learning, and building scalable software systems. I enjoy applying my technical skills to real-world projects and actively contribute to technical communities through leadership and hands-on development.

EDUCATION

B.Tech in Computer Science and Engineering

2024 – 2028

Manipal University Jaipur

SKILLS

Programming: Python, Java, JavaScript

Web Development: HTML, CSS, React.js, Node.js

Machine Learning: Model development, data analysis

Tools & Technologies: Git, SQL, PostgreSQL

Soft Skills: Team collaboration

Languages: English, Hindi

WORK EXPERIENCE

AIML Intern

June 2025 – July 2025

TransBnk Solutions Private Limited

- Developed and implemented machine learning models to improve predictive analytics capabilities.
- Analyzed large datasets using Python to uncover trends and insights for project development.
- Contributed to AI-driven application development to enhance system functionality and user experience.

Web Development Team Head

2024 – Present

ACM Student Chapter, Manipal University Jaipur

- Leading the web development team responsible for building and maintaining technical platforms for ACM initiatives.
- Coordinating task allocation, reviewing code, and mentoring junior developers.

PROJECTS

RedConnect – Blood Donation Management System

A full-stack web application connecting blood donors with recipients through an intuitive platform with comprehensive admin controls.

Technologies: React.js, Express.js, PostgreSQL

Geoverse – Satellite Data Query System

A system integrating web scraping, RAG pipelines, and LLMs to allow users to query MOSDAC data using natural language.

Technologies: React.js, FastAPI, RAG Pipelines

Final Destination – Treasure Hunt Platform

Developed a high-concurrency event platform capable of supporting 200–300 simultaneous users with optimized backend logic and responsive UI.

Technologies: React.js, FastAPI, PostgreSQL

IntelliMed-AI – Medical Record Management Platform

Developed a secure full-stack medical application enabling patient–doctor linking, role-based access, and AI-assisted analysis of medical records.

Technologies: FastAPI, Prisma (Python), PostgreSQL, React.js, Tailwind CSS, JWT, Google OAuth

CERTIFICATIONS

Google Cybersecurity Professional Certificate (Version 2)