



ROSHNI BANERJEE

🏠 SRM Institute of Science and Technology, Kattankulatur, Chennai, Tamil Nadu

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Profile

I am a driven and enthusiastic third-year Computer Science and Engineering student with a strong work ethic and a passion for leveraging emerging technologies to solve real-world challenges. Skilled in software development, data analysis, and computer systems, with hands-on experience in applying classroom knowledge to practical projects. Eager to continuously learn, improve technical abilities, and make impactful contributions to innovative tech solutions.

Skills

Software Engineering - MySQL - C - Python - C++ - MATLAB - Data Analysis - Web Development – Data Structures and Algorithms – Design Analysis and Algorithms – Operating System - Computer Network - User Experience -LLM- CUDA –OpenMP - Machine Learning - AI - DeepLearning - MongoDB - Theory of Computation

Courses & Certifications

- Artificial Intelligence Training from IIT Kanpur (Sept-Nov. 2024)-BOLT, IIT Kanpur
- Introduction to Bioinformatics and Biostatistics (June. 2023)-IIT Kanpur
- Cryptography and Blockchain Basics (June. 2023)-IIT Kanpur
- AI for real-world application (Dec. 2023)-IIT Kharagpur,TCS Ion
- Computer Architecture Course (Jul.2023)-NPTEL
- AI and Machine Learning Full Course (Feb. 2024) – IBM
- AWS Academy Machine Learning Foundations (Feb. 2024) - AWS
- DBMS Course – Master the Fundamentals and Advanced Concepts (Apr. 2024) - Scaler
- Digital Image Processing (Apr. 2024) – Great Learning
- Data Science Internship (Feb. 2024) – IBM
- Artificial Intelligence Internship (Feb. 2024) – IBM
- Machine Learning Onramp (Apr. 2024) – MATLAB

Education

BTech SRM Institute of Science and Technology **CHENNAI, INDIA** 2022-2026

Relevant Courses: COA, DSA, DAA, PQT, DBMS, UHV, ML, AI, DIP, OS, FLA, CN

CGPA: 9.41

12th Standard DAV MODEL SCHOOL **KHARAGPUR, INDIA** 2021-2022

Relevant Courses: Mathematics, English, Physics, Chemistry, Computer Science, ATL Innovation Lab

Percentage obtained 87%

10th Standard DAV MODEL SCHOOL **KHARAGPUR, INDIA** 2019-2020

Relevant Courses: Mathematics, English, Bengali, Science, and Social Studies, ATL Innovation Lab

Percentage obtained: 94%

Publications

- Intelligent Healthcare Systems in the Metaverse: Architecture, Applications, Challenges, and Opportunities
(Book Chapter in The Metaverse for the Healthcare Industry Book)
SPRINGER Publication [29 JUN 2024]

Work Experience

- **SAMSUNG PRISM:** [FEB. 2024 – OCT 2024]
Intern
Worked on Personalizing LLM Chatbot project by developing and fine-tuning a personalized LLM-based chatbot, enhancing user interaction and providing tailored responses to improve user experience.
Python, ML, LLM, RAG, DeepLearning
- **IIT Kharagpur:** [May. 2024 – JULY.2024]
Summer Intern
Worked on Common patterns predictions of Cis-regulatory regions for Co-morbid diseases using large language model
Python, ML, LLM, DeepLearning
- **CRIS:** [JUN. 2024 – JULY.2024]
Summer Intern
Worked on creating single-page client application Application Integration Management System using Angular
Angular, HTML, CSS, Nodejs, Flask
- **IIT Kharagpur:** [JUN. 2023 – JULY.2023]
Summer Intern
Worked on Application of CUDA and OpenMP
C++, Pascal, Python, CUDA, OpenMP

Projects

- **IIT Kharagpur:**[May. 2024 – JUN.2024]
Common patterns predictions of Cis-regulatory regions for Co-morbid diseases using large language model
Python, ML, LLM, DeepLearning
- **CRIS:** [JUN. 2024 – JULY.2024]
Created single-page client application Application Integration Management System using Angular
Angular, HTML, CSS, Nodejs, Flask
- **Samsung Prism:** [Feb. 2024 – Nov. 2024]
Created Personalized LLM Chatbot by developing and fine-tuning a personalized LLM-based chatbot,

enhancing user interaction and providing tailored responses to improve user experience.

Python, LLM, ML, RAG

- **Portfolio:** In my portfolio, I feature a dynamic web application highlighting my skills in web development,
CSS, HTML, JS, Nodejs, Reactjs, Bootstrap
- **Food delivery website:** Developed a user-friendly food delivery web application with an intuitive interface, facilitating seamless ordering and food selection experiences for customers. Implemented sleek design elements and robust functionalities to enhance user engagement and satisfaction.

HTML, CSS, JS, Nodejs, Reactjs, Bootstrap

Extracurricular Activities

- **SRM University ACM W Student Chapter** [JULY. 2024 – PRESENT]
Treasurer
Organized funds for many events in the club

Languages

- English - Hi ndi
- German [Basic]
- Bengali [Native]