

Sakshi Rautela

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About me !

I'm a passionate student with a strong interest in AI/ML, Java, OOPs, system design, and problem-solving. Always learning and exploring, I enjoy building smart, efficient solutions and applying theoretical concepts to real-world problems.

Technologies

Languages: Java, C++, Python, JavaScript

Technologies: AI/ML, Full Stack Development

Tools & Frameworks: React, SpringBoot, Git, REST APIs, TensorFlow, Scikit-learn, OpenCV, LangChain

Concepts: OOPs, Data Structures & Algorithms, System Design, NLP, Generative AI

Achievements

- Solved 1000+ problems on [LeetCode](#) [🔗](#), [GeeksForGeeks](#) [🔗](#) demonstrating strong problem-solving and algorithmic skills.
- Secured 5th rank in Class 10th across the entire district, reflecting consistent academic excellence.
- Completed the course on Data Structures in Java by Apna College [here](#) [🔗](#).
- Secured a Software Engineer Internship through [HackerRank](#) [🔗](#), demonstrating strong coding and problem-solving skills;
- Successfully completed the Deloitte Technology Job Simulation certification [by deloitte](#) [🔗](#), showcasing strong coding proficiency.
- reached the Semi-Finals of Challenge 3.0, showcasing competitive programming excellence.

Education

Amity University, Noida, India

Master of Computer Applications

July 2024 – Aug 2026

- GPA: 8.3/10.0

Dev Bhoomi University, Dehradun, India

Bachelor of Computer Applications

Sep 2021 – Aug 2024

- GPA: 9.03/10.0

Jawahar Navodaya Vidyalaya, Rudrapur, India

Secondary and Higher Secondary Education

April 2018 – July 2021

- Percentage: X-94.4%, XII-89% ([link](#) [🔗](#))

Experience

Software Engineer Intern

July 2024 – Aug 2024

[HackerRank](#) [🔗](#)

- Reduced time to render user buddy lists by 75% by implementing a prediction algorithm
- Integrated iChat with Spotlight Search by creating a tool to extract metadata from saved chat transcripts and provide metadata to a system-wide search database
- Redesigned chat file format and implemented backward compatibility for search

Projects

Ride Booking App

[github](#) 

- Built RESTful APIs with Java Spring Boot for efficient ride management, booking operations, and payment processing.
- Integrated PostgreSQL database with optimized queries for high-performance data handling.
- Developed an intuitive React.js front-end with dynamic routing and state management using Redux.
- Tools Used: java, SpringBoot, React

Web Scrapping WebApp

[github](#) 

- Developed a full-stack web application to extract and aggregate data from various websites for training large language models (LLMs).
- Built the backend using Python, leveraging frameworks such as Flask for efficient data scraping and processing.
- Designed a responsive and intuitive frontend interface using React to manage and visualize the data extraction workflow.

Large Language Model

[github](#) 

- Designed and executed end-to-end development of a transformer-based large language model (LLM), including defining model scope, architecture selection, and dataset preparation from large-scale corpora such as Wikipedia and OpenWebText.
- Implemented core transformer components (embedding layers, self-attention blocks, positional encoding) using TensorFlow, and set up robust training pipelines with optimization techniques including learning rate scheduling and distributed training.
- Conducted model training, evaluation, and fine-tuning on next-token prediction tasks, followed by deploying inference strategies (greedy decoding, beam search) and iterative model improvements for enhanced accuracy and efficiency.