

# Siddharth Ranjan

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LeetCode: <https://leetcode.com/u/sid0909/>

## PROFILE

Java developer actively building a solid foundation in **Spring Boot**. Strong interest in exploring the capabilities of **Generative AI** and **Machine Learning**.

## PROGRAMMING PROFICIENCY

- Core member of Competitive Programming department of GDSC VIT Chennai  
*Took part in several mashup contests and discussion sessions.*
- Actively coding  
*Solved 300+ dsa questions across platforms like [LeetCode](#) and [GeeksForGeeks](#).*

Sept 2023- Oct 2024

## PROJECTS

- Research and Development Intern at Nokia  
*R & D Intern*  
Project Overview: Developing a comprehensive web solution to streamline the process of managing and visualizing test results. This system allows users to view test results executed across several boards.  
Aims: To significantly reduce the management workflow by 30% through automation, simplified navigation, and centralized reporting, thereby improving overall productivity and reducing manual efforts for test result tracking and analysis..  
Technologies: openGrok, markdown, tomcat, mercurial
- Blogging Project   
*Backend Development*  
Project Overview: Built a backend system using Spring Boot, enabling user registration, post creation, likes, and comments.  
CRUD: Developed endpoints for CRUD operations on posts, along with features for liking and commenting, ensuring a robust and scalable system with a seamless user experience.  
Technologies: Spring Boot, MySQL, Spring Data JPA, Rest API, IntelliJ IDEA
- Chat with PDF using Gemini   
*Generative AI*  
Project Overview: A web application built with Streamlit that allows users to upload PDFs, extract text, and query the content using AI-powered embeddings. It provides context-driven answers by indexing the text and utilizing Google Generative AI for fast and accurate results.  
Aims: To automate PDF text extraction and enhance information retrieval, reducing manual effort by 30% through AI-based question answering, enabling faster and more efficient document analysis.  
Technologies: Streamlit, Langchain, Google Generative AI API, FAISS.

Aug 2024 - Present

Jan 2024 - Feb 2024

Feb 2024 - Feb 2024

Chennai, India  
July 2023 - Present

## EDUCATION

- Vellore Institute of Technology  
*Masters in Computer Applications; CGPA: 9.13*  
Courses: Data Structures, Machine Learning, Database Systems, Java
  - MCA candidate at VIT University with a strong academic record, maintaining a CGPA of 9.13.
  - Eager participant in coding competitions, hackathons, and technical workshops

Chennai, India  
July 2023 - Present

## ACHIEVEMENTS

- DATAQUEST: 2nd Runner Up in 8+ hours Machine Learning hackathon organized by Data Science Club in VIT Chennai.
- CODATHON: Led a winning team of 5 members in 36 hours hackathon organized in VIT Chennai.
- SCIENCE EXHIBITION: Won intra school science exhibition in school for demonstrating “WitriCity”.

## SKILLS SUMMARY

- Languages: Java, MySQL, Python
- Tools: IntelliJ IDEA, Jupyter, SQL Workbench, Vertex AI Studio, VS Code
- Concepts: Object Oriented Programming, DSA, DBMS