SAMEER SINGH

IIT Madras
B.S. Degree

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SUMMARY

Innovative and results-driven Programming and Data Science student at IIT Madras with a solid foundation in full-stack development and backend API design.
Seeking an internship opportunity in a tech company to apply my technical skills and contribute to innovative technological solutions.

EDUCATION

Indian Institute of Technology   Chennai, Tamil Nadu
Diploma Level - Bachelors in Data Science and Applications - CGPA 8.03   *May 2021 – Dec. 2025*
Master in Science   Lucknow, UP
Physics   *Aug. 2020 – Aug 2022*
Bachelor in Science   Lucknow, UP
PCM   *Aug. 2017 – Aug 2020*

PROJECTS

Online Grocery Store | *Python, Flask, Vue, SQLite*   June 2023
- Developed a full-stack web application using with Flask serving a REST API with VueJs as the frontend
- Implemented Authentication to get data from user's records
- Visualized business performance using seller's past data
- Used Celery and Redis for asynchronous tasks

Chatting | *MongoDB, ExpressJS, React, Node.js, OpenAI API*   September 2023
- Developed a full-stack web application using with Express and nodejs serving a REST API with React as the frontend
- Implemented Authentication to get data from user's records
- Used OpenAI's API to get responses for user's queries

TECHNICAL SKILLS

Languages: Java, Python, SQL (Postgres), NoSQL (Redis, MongoDB), Shell (Bash), JavaScript, HTML/CSS
Frameworks: React, NextJS, Node.js, Flask, Material-UI, FastAPI
Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, Azure, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Vim
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn

CO-CURRICULAR ACTIVITIES

Contributor   June 2024 – Present
Web Ops Team, IITM BS   *Chennai, Tamil Nadu*
- Build and modernized the election portal for different positions for student affairs.
- Used new version of react and re-hauled the context API usage.
- Improved the performance by reducing the load time.

EXTRA-CURRICULAR ACTIVITIES

Active Solving   June 2022 – Present
HackerRank
- Silver badge in Java
- Silver badge in SQL

Active Member   June 2022 – Present
Code Crafters   *Code Club, IITM BS*
- Participation in coding events
- Helped peers with their doubts