

Mayank Joshi

[LeetCode Profile](#)

[CodeChef Profile](#)

[Codeforces Profile](#)

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PROFESSIONAL SUMMARY

Full-stack developer skilled in React, Node.js, TypeScript, and LangChain.js, with experience building AI-powered tools and achieving top global ranks on LeetCode and CodeChef.

EDUCATION

• **Bachelor of Technology (B.Tech) in Computer Science and Engineering**

2022-26

Graphic Era Hill University , Bhimtaal

CGPA: 8.24

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, JavaScript, TypeScript, HTML, CSS

Libraries/Frameworks: React.js, Tailwind CSS, LangChain.js, Node.js

Tools & Platforms: VS Code, Git & GitHub, Docker

Databases/Cloud: MongoDB, MySQL, RAG (Retrieval-Augmented Generation)

Concepts: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, DBMS, System Design, Generative AI

PERSONAL PROJECTS

Leetcode Snippetter—Chrome Extension [Link](#)

Boosted LeetCode productivity with custom snippet management and AI-powered assistance.

- Developed a Chrome extension to store and auto-complete reusable code snippets, reducing coding time by 30%.
- Integrated an AI assistant that offers debugging, smart hints, and test case generation, used in 75%+ of user sessions.
- Technologies: React, TypeScript, Tailwind CSS, Chrome Storage API, Google Gen AI API

QuickMail – AI-Powered Email Generator [Link](#)

Developed a generative AI model to craft personalized emails based on user inputs, significantly reducing email creation time.

- Built a RAG (Retrieval-Augmented Generation) application that generates emails from user-provided key points and purpose, reducing email creation time by 50%.
- Leveraged LangChain.js, OpenAI API, and React to ensure seamless, contextually relevant, and dynamic email responses in various tones (professional, casual, etc.).
- Deployed the application using Docker for containerization, ensuring a consistent and scalable environment.
- Technologies Used: LangChain.js, React, TypeScript, OpenAI API, RAG .

NeuroShell- AI-Powered Smart Terminal [Link](#)

Engineered an intelligent terminal that translates natural language into executable shell commands using compiler design and AI.

- Designed a custom terminal that accepts both shell commands and human-like phrases, reducing syntax-related errors for non-technical users.
- Applied lexical and semantic analysis with AST generation to convert plain English into structured command logic..
- Integrated LangChain + Google GenAI as a fallback mechanism, enabling >90%+ accurate command inference for ambiguous inputs.
- Technologies Used: Python, Custom Compiler Modules, Subprocess, LangChain, Google GenAI

CERTIFICATIONS

- **Ethical Hacking** by IIT Kharagpur [\[Certificate Link\]](#).
- **Becoming a cloud practitioner - part 1** by Amazon [\[Certificate Link\]](#)
- **Web3 Development Essentials** on Udemy [\[Certificate Link\]](#).
- **Full Stack Web Development** by 100x Devs [\[Certificate Link\]](#).

ACHIEVEMENTS

- Solved over **600+** problems across various coding platforms; achieved the **Knight Badge** on LeetCode.
- Secured **Global Rank 75 out of 32,000 participants** in CodeChef Starters 178.
- Achieved **Global Rank 345 out of 30,000 participants** in LeetCode Biweekly Contest 141.
- Cleared the **First Round of Vulter Cloud Hiring Challenge**, conducted by GeeksforGeeks.