

# Mayank Joshi

[LeetCode Profile](#)

[CodeChef Profile](#)

[Codeforces Profile](#)

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[GitHub Profile](#)

[LinkedIn Profile](#)

## 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](#)

Streamlined LeetCode workflows with reusable snippet management and AI-based coding support.

- 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 with Docker for containerization, ensuring consistent and scalable environment with 99.99% uptime.
- Technologies: 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 by 40% for non-technical users.
- Improved terminal usage by 50% by making it more intuitive for users with no programming experience.
- Integrated LangChain + Google GenAI as a fallback mechanism, enabling >90%+ accurate command inference for ambiguous inputs.
- Technologies: Python, Custom Compiler Modules 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.