

# Rohan Khatua

Final year B.Tech Student - Full Stack Developer  
+91 9830493214 | [contact@rohankhatua.dev](mailto:contact@rohankhatua.dev) | [LinkedIn](#) | [GitHub](#)  
Bengaluru, Karnataka

## EDUCATION

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### Vellore Institute of Technology, Vellore, TN

GPA: 9.24

*Bachelor of Technology - Computer Science and Engineering*

*Sep 2021 – Present*

- Ranked in the top 3% of students in my year, demonstrating strong academic performance
- Effectively managed a rigorous and time-intensive curriculum alongside extracurricular activities
- Created a strong technology-first culture amongst the student community through my position as the Technical Director of a prestigious student-led University chapter

### La Martiniere for Boys, Kolkata, WB

ICSE: 93.8% ISC: 96%

*Physics, Chemistry, Mathematics with Computer Science*

*April 2006 – March 2021*

- Graduated with a Principal's Merit Certificate from one of the most prestigious and competitive schools in the country
- Organized and participated in several inter-school events and competitions
- Participated in several Model United Nations Panels

## TECHNICAL SKILLS

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- **Languages:** TypeScript, JavaScript, Golang, C/C++, Python, Java.
- **Technologies and Frameworks:** ReactJS, Svelte, NextJS, Tailwind, NodeJS, Django, Flask, React Native, Go-Fiber, Gin.
- **Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS).
- **Databases and Tools:** MySQL, PostgreSQL, GORM, Prisma, Drizzle.
- **Developer Tools:** Insomnia, Postman, Docker, GitHub.

## EXPERIENCE

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### Wells Fargo & Company

Jun 2024 – Present

*Intern Analyst - Technology*

*Chennai, TN*

- Developed a full-stack backtesting application using React, Python, and Flask, demonstrating proficiency in modern web development frameworks
- Implemented a robust database solution using MongoDB and RESTful APIs, optimizing data storage and retrieval for financial analysis
- Utilized libraries like Zod for type checking and data validation, ensuring data integrity and enhancing application reliability in a financial context

### ITC Infotech

Aug 2023 – Sep 2023

*Project Intern*

*Bengaluru, KA*

- Architected and developed multiple high-performance, user-centric web applications, improving user engagement and functionality
- Conducted in-depth research and implemented advanced Server and Storage Virtualization techniques, optimizing resource utilization and scalability
- Designed, deployed, and maintained robust network infrastructure security and monitoring systems, enhancing overall system resilience and threat detection capabilities

## PROJECTS

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### GoBooks | *Golang, GORM, Go-Fiber, Docker, Nginx*

September 2023

- \* A REST API built entirely in Golang for managing a bookstore and handling inventory management, purchases, and reviews
- \* Implements a Go-Fiber web application which uses JWT based Authentication using middlewares providing role-based access control
- \* Implemented a user-friendly search mechanism using fuzzy search and full-text search techniques
- \* Packaged using Docker and deployed behind an Nginx reverse proxy on an AWS EC2 instance

### UCI Chess Bot | *C#*

December 2023

- \* A 1500 Elo [Average Human Strength] chess bot that communicates using the UCI [Universal Chess Interface] protocol
- \* Implemented algorithms like alpha-beta pruning for minimax search and iterative deepening
- \* Deployed on a popular open-source chess website - lichess.org

### University Timetable Visualiser | *React, TypeScript, CSS*

In Progress

- \* A React Component Library providing responsive, interactive, and customizable components to represent a student's timetable
- \* Created a JavaScript parser that extracts course-based information from poorly formatted data
- \* Packaged and published the component Library to the NPM Package repository

## EXTRACURRICULAR ACTIVITIES

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### Association of Computing Machinery (ACM) Student Chapter

Vellore Institute of Technology

*Board Member - Technical Director*

*March 2022 - Present*

- \* Organized and adjudged technical Hackathon events with 2000+ participants
- \* Optimized internal chapter processes and created Organizational Units to improve efficiency across domains
- \* Built and coordinated the development of full-stack web and mobile applications to support chapter events

## CERTIFICATIONS

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- [NPTEL - Ethical Hacking](#)
- [Python - 100 Days of Code](#)
- [AWS Certified Cloud Practitioner](#)
- [AWS Certified Solutions Architect - Associate](#)