

Rohan Khatua

Pre-final year B.Tech Student

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Bengaluru, Karnataka

EDUCATION

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

Languages: JavaScript, TypeScript, Java, Go, C/C++, and Python.

Technologies and Frameworks: ReactJS, NextJS, Svelte-Kit, Go-Fiber, GORM, NodeJS, Docker, Prisma, Amazon Web Services (AWS), PostgreSQL, MongoDB.

EXPERIENCE

Project Intern

Aug 2023 – Present

ITC Infotech

Bengaluru, KA

- Built several user-facing websites
- Explored Server and Storage Virtualization techniques
- Implemented and deployed network infrastructure security and monitoring tools

PROJECTS

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

Association of Computing Machinery (ACM) Student Chapter

Board Member - Technical Director

Vellore Institute of Technology

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

- NPTEL - Ethical Hacking
- Python - 100 Days of Code
- AWS Certified Cloud Practitioner
- AWS Certified Solutions Architect - Associate

