Rohan varma Gaddam

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Education

University of North Carolina at Charlotte | Master's in Information Technology.

Charlotte, NC, USA

Relevant Coursework: Data Structures & Algorithms, AI-Driven Development, Software System Design, Web Application Development, Human-Centered Design

GPA: 3.88/4.0 | Aug 2023 – Aug 2025.

Skills

Programming Languages: Java, Python, JavaScript, TypeScript, Go, C, .NET.

Web Development: React, Next.js, Angular, Node.js, Redux, jQuery, Express.js, REST APIs, Tailwind

Software Development: Data structures and algorithms, Spring Boot, Microservices, JDBC, OOP, MVC Architecture

Databases & Cloud: AWS, Docker, SQL, NoSQL, PostgreSQL, MongoDB, Firebase, CI/CD Pipelines.

Tools & Platforms: Git, GitHub, VS Code, Eclipse, Postman, Figma

Work Experience

Full-Stack Java Developer | Verzeo , *Bengaluru, IN*　　　　　　　　　　　　　Mar 2022 - July 2023
- Built a cross-functional internal dashboard using **React** and **Spring Boot**, reducing manual reporting efforts by 40% and enabling real-time visibility into operations for business stakeholders.
- Refactored legacy APIs and **fine-tuned complex PostgreSQL queries** to improve data consistency and reduce system response times by up to 30% in key workflows.
- **Integrated** secure, **role-based access control** and audit trails across multiple modules, ensuring adherence to internal compliance standards and simplifying future audits.
- Collaborated with the **QA** team to implement automated **JUnit** test coverage, identifying and addressing issues to reduce deployment errors by 25% and speed up release cycles.

Web developer Intern | *Verzeo, Bengaluru, IN*　　　　　　　　　　　　　　　Dec 2020 - Feb 2021
- Revamped the **React**-based web interface, enhancing order tracking usability by 30% and navigation efficiency.
- Optimized front-end performance by restructuring **CSS & JavaScript**, reducing page load time by 20% for **1,000+ daily users.**
- Led **version control**, and refactored **Tailwind** for seamless responsiveness, resulting in a 25% increase in mobile interactions.

Teaching Assistant | *UNC Charlotte , Charlotte, USA*　　　　　　　　　　　　　Jan 2024 - Present
- **Mentored 200+ students** on capstone projects, troubleshooting, and improving proficiency by 30% in full-stack development technologies such as **RESTful APIs**, **React**, **MongoDB**, **Node.js**, **Express**, and **JavaScript**.
- Revamped the Hire-a-Niner portal using React, Node.js, and MongoDB, boosting site traffic by 25%, and developed a **real-time chat system** with **WebSockets**, reducing query response time by 20%.

Projects

SATURDAY - AI-powered Support Assistant | **Hackathon Winner** | Devpost　　　　Golden Hack-Oct 2024

Tech Stack: OpenAI, Node.js, Pinecone, Realtime API, LiveKit

- **Engineered an AI-driven support assistant**, reducing **troubleshooting downtime by 50%** using **OpenAI's Realtime API**.
- Designed an **automated backend system** with **Node.js**, integrating **AI-powered** diagnostics and escalation workflows.
- **Enhanced AI troubleshooting** accuracy **by 30%** using vectorized knowledge retrieval with **Pinecone**, reducing errors.

Netflix GPT - AI-Powered Movie Platform | cineflixgpt.vercel.app

Jul 2024 - Aug 2024

Tech Stack: React, Redux, Firebase, JavaScript, TMDB API, Gemini APIs, Tailwind CSS

- Developed a **Netflix clone** supporting 500+ active users with multilingual capabilities, enhancing **UX** across diverse regions.
- Implemented **Firebase authentication**, ensuring secure access and managing 200+ daily logins with reliable performance.
- Engineered a **GPT-powered search** function, improving content discovery accuracy by 40%, and optimized **Redux** store management to increase data retrieval speed by 30%.

Shop for home - E-Commerce Platform　　　　　　　　　　　　　　　　　　Aug 2023 - Sept 2023

Tech Stack: TypeScript, Angular, Spring Boot, JPA, REST API, SQL

- Architected a **full-stack e-commerce platform** managing **500+ products** with PostgreSQL.
- **Refined database queries** using **Spring Boot**, improving **retrieval efficiency by 20%**.
- Designed an **admin panel** for order management, enhancing operational efficiency by **15%**.