Rohan varma Gaddam

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Education

University of North Carolina at Charlotte   Aug 2023 - Aug 2025

Master's in Information Technology,   **3.88/4**, charlotte, NC, USA
Course work: Network Based Application Development, Data Structures & Algorithms, AI-Driven Development, Software System Design and implementation, and Human Centered Design

Work Experience

Teaching Assistant, Network-Based Application Development and Interaction Design Projects | UNC Charlotte   Jan 2024 - Present
- Elevated lab performance by **15%** through weekly sessions for over **50** students, fostering a collaborative learning environment.
- Redesigned the **Hire a Niner** platform, increasing job placements by **25%** and site traffic by **20%**
- Integrated real-time messaging and elevated profile features, resulting in a **30%** boost in user activity.

Web developer Intern | Verzeo   Dec 2020 - Feb 2021
- Completed a two-month **web development** internship, working with **React**, **JSX**, **HTML**, **CSS**, and **JavaScript**
- Collaborated in redesigning the website interface using React, streamlining navigation and order tracking, enhancing user satisfaction by **30%**
- Focused on **version control** and deployment during the **development lifecycle.**
- Achieved page load times by **20%** through CSS and JavaScript optimizations, amplifying responsiveness for **over 1,000** daily users

Projects

SATURDAY — AI-powered Support Assistant | **Hackathon Winner** | devpost.com/saturday   Golden Hack-Oct 2024
Technologies: OpenAI, Node.js, Pinecone, Realtime API, LiveKit

- Collaborated on developing **SATURDAY**, an AI-driven support solution that reduced downtime by **50%** using OpenAI's Realtime API.
- Focused on backend development with **Node.js**, integrating **OpenAI's Realtime API** to automate tech issue resolution.
- **Integrated a knowledge base** using **Pinecone**, enhancing AI troubleshooting accuracy and improving user experience by 30%.

Netflix GPT | https://cineflixgpt.vercel.app/   Jul 2024 - Aug 2024
Technologies: React, Redux, Jest, Firebase, JavaScript, TMDB API, Gemini APIs, Tailwind CSS

- **Constructed a Netflix clone** with a responsive frontend, serving 500+ active users, featuring multilingual support.
- Integrated Firebase for secure authentication and real-time movie data, supporting **200+ daily user logins** and efficient content browsing
- Implemented GPT-powered search functionality, boosting content discovery accuracy by **40%**, leading to enhanced user satisfaction
- **Designed a scalable Redux store for 500+ movies**, ensuring efficient state management and faster data retrieval by 30%.

Eventfolio   Sep 2023 - Dec 2023
Technologies: JavaScript, ejs, MVC, Node, Express, Mongoose, MongoDB, Figma
- Engineered a web app for event creation, managing 200+ RSVPs and 150+ users, while collaborating with cross-functional teams for seamless delivery.
- Developed the user interface from final wireframes and prototypes designed in **Figma**, ensuring seamless user interactions
- **Enhanced user engagement through secure authentication** and optimized RSVP workflows, boosting retention by **25%**.
- Built the backend with **Node.js** using **MVC architecture**, improving scalability, maintainability, and reducing code complexity by **20%**.

Shop for home   Jul 2023 - Aug 2023
Technologies: TypeScript, Angular, Spring-boot, JPA, REST API, SQL, HTML, CSS

- Developed a full-stack e-commerce platform with ***PostgreSQL database management***, supporting 500+ products.
- Designed and implemented a ***CI/CD*** pipeline for continuous integration and deployment of application updates.
- Optimized database queries using ***Spring* Boot**, improving data retrieval efficiency by 20%.
- Built an admin panel for product and order management, enhancing operational efficiency by 15% via streamlined workflows and ***PostgreSQL*** database administration.

Skills

Web Development: node.js, Angular, React, next.js, Redux, RESTful APi, jQuery, Express, Browser Debuggers

Programming Languages: Proficient in Java, Python, JavaScript, TypeScript, C

Software Development: Data structures and algorithms, Spring, JDBC, Object Oriented Programming, Microservices

Cloud/Databases: AWS, Docker, SQL, NoSQL, MongoDB, Firebase

Tools: Git, GitHub, VS Code, Eclipse, Postman, Figma, Microsoft Office, Discord, ChatGPT

Other Skills: Communication, Collaboration, Problem Solving