

Munish Tanwar

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EDUCATION

University of Florida, Gainesville, FL

Master of Science - Computer Science | GPA: 3.83/4.0

Dec. 2023

Bachelor of Science - Computer Science, Minor - Mathematics

May 2022

Relevant Coursework - Distribution Operating System, Machine Learning, Software Engineering, Data Structure and Algorithms, Databases, Data Science, User Experience Design.

SKILLS

Languages: Python, JavaScript, Typescript, Java, C++, Go, HTML, CSS

Frameworks/Tools: React, Node.js, React Native, MongoDB, AWS, Microsoft Azure, Docker, Cloud Firestore, Git, MySQL, TensorFlow

WORK EXPERIENCE

Software Engineering Intern - Exactech

May 2023-Dec. 2023

- Collaborated in the development of a new case and inventory management application using React Native, Node.js, MySQL, and Microsoft Azure. The project aimed at replacing the existing system, leading to a 20% improvement in sales rep workflow efficiency and recovering \$3.4 million in deployed inventory
- Secured the application by implementing user authentication and validation via Azure Active Directory
- Optimized the user experience by designing and integrating a Face ID login feature, catering to the preferences of mobile users and contributing to higher user satisfaction
- Formulated a robust search functionality on the backend, enabling efficient resource querying and enhancing data access and management by 15%
- Strengthened the application's security posture and streamlined user management by developing role-based access control on the backend
- Engineered a user-friendly front-end user management component, empowering sales rep managers to efficiently add and remove team members, streamlining team administration, and enhancing collaboration

PROJECTS

Gator Sublease - Student Apartment Sublease Web App.

Jan. 2022-May 2022

- Designed a subleasing web application using React, Golang, and MongoDB that allows users to create, update, and delete posts for sublease, and to view sublease for apartments based on pricing and lease term
- Coordinated a team of four in planning, designing, and building the application
- Formulated backend logic to manage users, manage and view leases, and user authentication using JWT
- Developed the database schema for users and leases with MongoDB
- Created unit testing for Golang backend and created REST API Documentation

Fantasy Finance - Paper Trading Web App.

Aug. 2021-Dec. 2021

- Developed a paper trading web application for users to join a league where they can trade stocks and compete with other users
- Collaborated with a team of five to build the project using ReactJS, Node.js with Express, and Firestore database
- Implemented the logic for buying stocks based on the current market value using the IEX API

Spotify Song Recommendation System

June 2021

- Designed a Spotify song recommendation system that allows the user to provide one or more songs and get recommendations based on those songs
- Adapted content-based filtering and similarity measures to generate song recommendations