Rohan Khatri

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EDUCATION

San Jose State University

B.S. Computer Science   ***Graduation:*** Dec. 2026

GPA: 3.94 President's Scholar, Dean's Scholar

Organizations: Computer Science Club, Software and Engineering Society, Spartan Racing

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Systems, Discrete Mathematics and Logic, Linear Algebra

EXPERIENCE

Data Analyst Intern   October 2024 - Present

DataGlacier

- Engineered a data-driven analysis pipeline for cab industry databases, identifying customer behavior trends and delivering actionable insights to support strategic investment decisions.
- Built and deployed a Linear Regression model that predicts fee charges and integrated it into a Flask API for scalable, real-time access for predictive analysis.

PROJECTS

AI Hair Analysis | *TypeScript, React, Node.js, Tensorflow*   November 2024

- **Developed a Full Stack MERN web application** with AI-powered hair analysis using TensorFlow and Google Teachable Machine to detect conditions like dandruff, thinning, and greasiness.
- **Integrated Clerk and Stripe APIs** to provide secure user authentication and subscription-based payment management, ensuring a seamless user experience.
- **Built a responsive UI/UX** using React and TailwindCSS, enabling cross-platform functionality with real-time hair analysis and progress tracking.
- **Implemented modular backend services**, with Node.js and Express, ensuring scalability and optimized API responses for seamless interaction between frontend and AI model endpoints.

WiFi Heatmap | *Python, Flask, Typescript, React, PostgreSQL, Matplotlib, Docker*   August 2024

- **Collaborated in a team of 3** to develop a full-stack application focused on data processing and visualization of campus WiFi strength.
- **Deployed Raspberry Pis strategically around campus**, using Python scripts to automate the collection of WiFi connection speed metrics.
- **Utilized Folium to visualize WiFi coverage data**, providing real-time insights for students to find optimal study spots.

Algorithm-Sort Visualizer | *JavaScript, HTML, CSS, Git*   March 2024

- **Developed an interactive algorithm-sort visualizer** that illustrates the workings of various sorting algorithms.
- **Utilized JavaScript for DOM manipulation** to create an engaging, real-time representation of the sorting process.
- **Integrated responsive design elements with Bootstrap,** ensuring seamless user experience.
- **Engineered user controls for adjusting size and speed** to enhance user interaction and understanding of algorithmic complexity.

SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML/CSS, C, R, LaTeX
Certifications: AWS Certified Cloud Practitioner
Frameworks: React, Node.js, Flask, Tensorflow JUnit
Developer Tools: AWS, Git, Docker, IntelliJ, Eclipse, VS Code, PyCharm