

Hamza Khan

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EDUCATION

San Jose State University

San Jose, CA

Master of Science in Computer Science

Expected: December 2025

- Relevant Coursework: Reinforcement Learning, Advanced Programming Principles

San Jose State University

San Jose, CA

Bachelor of Science in Software Engineering

December 2022

- Relevant Coursework: Object-Oriented Programming/Design, Data Structures, Artificial Intelligence, Information Security, Software Testing and Quality Assurance, Computer Networks, Database Management Systems

EXPERIENCE

Software Development Intern

May 2024 - September 2024

Curious.com | Palo Alto, CA

- Implemented Firestore cloud functions for diverse applications, including automated email notifications for new user accounts, on-demand data retrieval for client-side applications, and real-time data processing
- Designed and developed responsive front-end UI pages using Flutter, enhancing mobile application interfaces and improving user engagement
- Conducted thorough testing and debugging of applications, ensuring high quality, reliability, and optimal performance across both front-end and back-end components

PROJECTS

Online Book Store | Java, MySQL, HTML, JSP, JDBC, Apache Tomcat

- Designed and developed a three-tier book store database application that allowed users to search for books, sort books, add books to their shopping cart and checkout
- Created web pages utilizing JSP (Java Server Pages) to allow for easy integration of Java code into HTML
- Connected to the MySQL database and executed SQL queries from within the Java code through JDBC

Hand Gesture Recognition | Python, OpenCV, Tensorflow, MediaPipe

- Developed an application that allowed users to operate core computer functions and navigation using hand gestures
- Utilized MediaPipe to implement a 21-point hand landmark model for comparison
- Captured live frame of hand gestures using OpenCV which is then compared to the MediaPipe model at a confidence level of 70 percent

Music App Tool | React, Spotify Web API, JavaScript, HTML, CSS

- Developed an add-on that would work with Spotify to keep track of a user's most frequent plays
- Integrated Spotify Web API into the application, enabling users to authenticate with their Spotify accounts and access their music library
- Designed and developed the user interface using React components, providing a familiar and intuitive browsing experience similar to the official Spotify app

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML, C++, Haskell,

Frameworks/Libraries: Junit, pandas, NumPy, Beautiful Soup, Flutter

Developer Tools: Git, MySQL, Firebase, Selenium, Maven, Jenkins, VS Code, PyCharm, IntelliJ, Jira