Neelansh Khare

949-992-6803 | kharen@uci.edu | linkedin.com/in/neelansh-khare | github.com/Neelansh-Khare | Neelansh's website

OBJECTIVE

Aspiring to secure a Summer 2024 software engineering internship where I can apply my passion for AI/ML, Quantitative finance, Data science, and Full-stack development. Equipped with a strong foundation in computer science, hands-on experience in application development, and a keen interest in working at the intersection of technology and business. Eager to contribute to innovative projects and solve complex problems in a dynamic team environment.

EDUCATION

University of California - Irvine   Irvine, CA
Bachelor of Science in Computer Science   *Expected March 2025*

Relevant Coursework: Intermediate Programming in Python, Data Structure Implementation and Analysis (C++), Programming Libraries in Python, Digital Systems, Probability/Stats for Computer Science in R, Software Engineering
Awards: Dean's Honor List
Extracurrriculars: Software Developer for Legacy Robotics, Event Coordinator for the Indian Subcontinent Club (ISC), Intern for ASUCI, Volunteer for ENGin, Philanthropy Chair for Sigma Pi, Fundraising Chair for UCI Fits

EXPERIENCE

Software Developer   June 2022 – Present
University of California, Irvine   *Irvine, CA*
- Engineered Java applications to automate manual processes, achieving a 90% reduction in task completion time.
- Built a Java web sraping tool using RESTful APIs for quicker onboarding through automated documentation.
- Utilized Java, React, JavaScript, SQL, Git, Gradle, Spring, Maven, Excel, JUnit, OOP, and Atlassian Suite to complete 75+ Jira tasks for frontend, backend, testing and database tickets on a forthcoming web application.

PROJECTS

Python Based Applications | *Python, PyGame, NumPy, Matplotlib, REST APIs, OpenCV, Sockets*
- Created a Python AI script for stock tracking and automated, risk-averse sales using Bard and Schwab APIs.
- Built an app with OpenCV and Matplotlib for recognizing individuals, household items and visualizing results.
- Created playable versions of 2048, ConnectFour, and Columns using PyGame, NumPy, Sockets, and more.
- Built Discord bots for engagement-boosting games, resulting in a 70% increase in engagement.

Full Stack Development | *JavaScript, Java, Gradle, MongoDB, React, WordPress, HTML, CSS, REST APIs, AppScript*
- Developed 4 full-stack club/stealth startup websites with Gradle/Java backend, React frontend, and MongoDB.
- Integrated PayPal API and implemented Google Sheets AppScript macros for data-related automations.

Data Structures | *C++, Git*
- Created a custom C++ linked list with efficient node finding and insertion using pointers.
- Enhanced runtime and space efficiency in a custom binary search tree through custom structs.

Undergraduate Research Opportunity Program | *Python, TensorFlow, PyTorch*
- Participated in a highly selective research program (UROP) at UCI, focused on autonomous vehicle software.
- Explored frameworks such as TensorFlow, PyTorch and more under the guidance of a graduate student mentor.

Upkey Professional Development Workshop | *Java, Figma*
- Led a team to 3rd place with a full stack Java mobile app pitch.
- Utilized Android Studio and Java primarily to create the application with Figma for design.

SKILLS

Languages/Frameworks: Proficient in Python, Java, JavaScript, React, SQL, C++, R, Git, Excel, Gradle, Maven. Familiar with ROS2, OpenCV, Node.js, AWS, TensorFlow, MongoDB, Kotlin.
Developer Tools/Skills: Visual Studio Code, Eclipse, IntelliJ, IDLE, GitHub, Python Tutor, Excel, Atlassian Suite, BlueJ, SQL Server, Android Studio, Figma, Agile, CI/CD, Unit Testing
Soft Skills: Great communication skills, proficient at working under pressure, dependable, able to work in a team, willingness to learn, adaptability
Other Intersts: Automation, Computer Vision, Crypto, Web3, QA, cybersecurity, product management, UI/UX, Virtual/Augmented Reality, Cloud computing, app development