Neelansh Khare

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OBJECTIVE

Energetic Computer Science major with a profound passion for software engineering and business seeking a summer 2024 internship with a focus on Artificial Intelligence, Machine Learning, Automation, Quantitative Finance, Computer Vision, Crypto, Web3, Full Stack development, QA, cybersecurity, product management, UI/UX, or Virtual/Augmented Reality. Eager to apply my technical acumen, problem-solving skills, and academic expertise to drive innovation and make a meaningful impact in the business/finance and tech.

EDUCATION

University of California, Irvine   Irvine, CA
Bachelor of Science in Computer Science   *Aug. 2021 – 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
Extracurriculars: 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*

- Developed Java applications, automating manual tasks, reducing time alloted by 90%.
- Created a Java web scraping tool using REST APIs to accelerate onboarding via documentation.
- Utilized Java, React, JavaScript, SQL, Git, Gradle, Spring, Maven, Excel, JUnit, and Atlassian Suite to complete 75+ Jira tasks for frontend, backend 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 related libraries.
- 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 databases for clubs and startups.
- 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 primarliy 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.
Developer Tools: Visual Studio Code, Eclipse, IntelliJ, IDLE, GitHub, Python Tutor, Excel, Atlassian Suite, BlueJ, SQL Server, Android Studio, Figma
Soft Skills: Great communication skills, proficient at working under pressure, dependable, able to work in a team, willingness to learn, adaptability