

# Neelansh Khare

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## 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 in the fields of technology and business. Eager to contribute on 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

**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*

- Engineered Java applications to automate manual processes, achieving a 90% reduction in task completion time.
- Built a Java web scraping tool using RESTful APIs for quicker onboarding through generated 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 financial web-application.

## PROJECTS

### Python Based Applications | *Python, PyGame, NumPy, Matplotlib, REST APIs, OpenCV, Sockets*

- Created a Python script for stock tracking and automated, risk-averse sales using Bard AI 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 | *Kotlin, Figma*

- Led a team to 3rd place with a full stack Java mobile app pitch that worked to find on to go gym solutions.
- Utilized Kotlin for app development, 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 Interests:** Automation, Computer Vision, Crypto, Web3, QA, cybersecurity, product management, UI/UX, Virtual/Augmented Reality, Cloud computing, app development