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: Intro to Artificial Intelligence, Data Structures and Algorithims, System Design, Data Management, Computer Vision, Software Engineering, Software Testing, Analysis, and Quality Assurance
Awards: Dean's Honor List
Extracurriculars: Software Developer for ICSSC, Event Coordinator for the Indian Subcontinent Club (ISC), Intern for ASUCI, Volunteer for ENGin, Philanthropy Chair for Sigma Pi, Ex Board Member for Legacy Robotics/UCI Fits

EXPERIENCE

Software Developer June 2022 – Present

University of California, Irvine *Irvine, CA*

- Engineered a Java application 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, and JUnit to complete 75+ Jira tasks for frontend, backend, testing and database tickets on a financial web-application.

Research January 2024 – Present

He Lab, University of California, Irvine *Irvine, CA*

- Worked on predicting the movement of nano particles using OpenCV, and PyTorch.
- Fine-tuned an electron microscopy neural network to fit our needs.
- Created an algorithim to generate new sample data to test our model.

PROJECTS

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

- 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, MongoDB, React, WordPress, HTML, CSS, REST APIs, AppScript, Svelte*

- Helped develop 2 full-stack club/stealth startup websites with Java backend, Svelte/React frontend, and MongoDB.

- Integrated PayPal API and implemented Google Sheets AppScript macros for data-related automations.

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