Rohan Shah

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EXPERIENCE

Software Engineering Intern   May 2024 – Present
Relm AI   New York, NY
- Leveraging **Langchain** LLM agents to develop an AI-powered real-estate property search application
- Implementing core backend logic in **Python** using **FastAPI** and **PostgreSQL**, deployed on **AWS RDS**
- Developing scalable data design using **Docker** containers and **Redis** channels
- Architecting a production-facing computer vision model using **OpenCV** and **scikit-learn**

Honors Research Fellow   May 2024 – Aug. 2024
Honors Summer Research Institute (New Jersey Institute of Technology)   Newark, NJ
- Conducted a paid research project analyzing the impact of the NJIT Study Abroad Program
- Developed an **LLM RAG algorithm** for data analysis and visualizing results using **Flask**, **Bootstrap**, and **Firebase**
- Presented at the NJIT Undergraduate Summer Research Symposium

Software Research Intern   Jun. 2022 – Jun. 2023
Developer Experience Design Lab (George Mason University)   Manassas, VA
- Co-authored research paper: "Exploring the applications of Microtask Programming through the first ever Microtask Programming Hackathon" (under review)
- Product-tested & debugged **JavaScript** endpoints to conduct Microtask Programming Hackathon

Lead Python Instructor   Jul. 2020 – Apr. 2023
Code Ninjas   Edison, NJ
- Created yearlong curriculums and taught programming concepts to kids in **Python** and **JavaScript**
- Specialized in "creative code" with Pygame and p5.js

EDUCATION

New Jersey Institute of Technology: Honors College   Expected: Dec. 2026
- B.S. in Computer Science | Minor in Business | Dean's List
- Full ride merit scholar committed to 30 volunteer hours a semester
- Clubs/Activities: VP of Finance (Association of Indian Students), Association of Computing Machinery, Google Developer Student Club

AWARDS

- **1st Place @ I2D Hackathon** *(Inspire2Dev Hackathon)*: Won first place under "Most Experienced Hack" for a high coding proficiency project. Built a dual-interfaced app for paramedic-patient connection.
- **3rd Place @ HackNJIT** *(HackNJIT Hackathon)***:** Won 3rd place out of 60+ submissions in Patient Safety category
- **Eagle Scout Award** *(Boy Scouts of America)***:** Highest rank in Scouting program. Conducted an Eagle Project to collect 2,300+ used eyeglasses to send to underprivileged international communities.
- **National Honor Society Inductee** *(National Honor Society)*: Inducted based on maintaining top grades and GPA.
- **National Merit Commended Student** *(National Merit Scholarship Corporation)*: Scored in 99th percentile for the PSAT.
- **1st Degree Black Belt** *(East Coast Martial Arts Institute)***:** Earned after multiple years of training and rigorous testing.

PROJECTS

NJIT Global Explorer (website: njitglobalexplorer.me) | Flask, Firebase, OAuth2.0, LLaMA-3 LLM, Python, JavaScript
- Developed a study abroad analytics dashboard in **Chart.js** and **Bootstrap** for NJIT administrators, integrating a Retrieval-Augmented Generation algorithm with **LLaMA-3 LLM**. Deployed on a **Flask** web app with a **Gunicorn** WSGI server.

ContractFlow App (platform: App Store) | Python, Kivy, Firebase, Xcode, REST API
- Built a mobile app in **Python** (**Kivy**) serving 300+ users to manage workflow for contractors, integrating **Firebase** storage and core **REST API** endpoints with automated **Xcode** deployment.

SKILLS

- **Languages:** Python · C++ · Java · JavaScript · SQL
- **Front-End:** Bootstrap · HTML/CSS · Chart.js · Kivy · Tkinter
- **Back-End:** PostgreSQL · OpenCV · Docker · Redis · FastAPI · Flask · Selenium · Firebase · Postman · Xcode