

# Rohan Shah

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## EXPERIENCE

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### 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

### Honors Research Fellow

May 2024 – Aug. 2024

Honors Summer Research Institute (New Jersey Institute of Technology)

Newark, NJ

- Conducting a paid research project analyzing the impact of the NJIT Study Abroad Program
- Developing an **LLM RAG algorithm** for data analysis and visualizing results using **Flask**, **Bootstrap**, and **Firebase**
- Presenting 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

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### 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

### Hightstown High School

Sep. 2019 – Jun. 2023

- 3.94 / 4.0 GPA
- Clubs/Activities: Head of Programming (FRC Robotics Team), VP & Director of Membership (Finance Club), Competition Team (Mock Trial), Varsity Team (Chess Club), Tech Head (South Asian Club), STEM Club

## AWARDS

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- **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

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**NJIT Global Explorer (website: [njitglobalexplorer.me](https://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

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- Python · C++ · Java · JavaScript · PostgreSQL · Docker · Redis · Flask · Selenium · Bootstrap · Firebase · Postman · GitHub