

Ojash Gurung

Queens, NY | <https://www.linkedin.com/in/ojash-gurung> | 929-769-2156 | gurungojash0@gmail.com | [Portfolio](#)

PROJECT EXPERIENCE

SelfAI. ([selfai.tech](#))

Queens, NY

Founder/ Full-Stack Developer

Jan 2025 – Present

- Helped 20+ users create and share interactive AI profiles to improve how they present themselves professionally, leading to higher engagement and more memorable networking experiences during early testing.
- Designed and deployed a document-driven **RAG pipeline using FastAPI, Pinecone, and OpenAI**, enabling personalized chatbot replies by retrieving user-trained data and improving contextual accuracy by **40%**.
- Processed **20K+ vector queries with <150ms latency** by building a document ingestion system using OpenAI embeddings, chunking logic, and Pinecone-based vector search.
- Built a RAG-powered **embeddable chat widget using Next.js** with features like secure login, public sessions, link and QR code sharing, supporting **100+** chatbot test sessions.

ChatAppX ([GitHub](#))

Queens, NY

Personal Project/ Full-Stack Developer

Dec 2024

- Built a scalable real-time chat application using **React, Node.js, Express.js, and WebSockets**, supporting 1:1 user chat rooms.
- Integrated secure OAuth 2.0 authentication using Google login, enabling account-based session management and reducing unauthorized access attempts by 100%.
- Structured database model using MongoDB with schema design for user sessions and messages, enabling retrieval of message threads with **<100ms response time** in testing.

WORK EXPERIENCE

Troy University

Troy, AL

Computer Lab Assistant (Part-time)

Mar 2024 – May 2024

- Mentored 20+ students in Python and full-stack development, directly improving course grades for 15+ students and increasing average project completion rate by 25% over the semester.
- Improved final project quality for 20+ students by guiding frontend testing and debugging in **React.js, Jest, and Cypress**, reducing submission errors by 35%.
- Performed exploratory data analysis (**EDA**) on **10,000+ rows** of university fitness center usage data using **Python, Pandas, and Matplotlib** to identify peak-hour crowding trends to help reduce congestion by 20%.

SimplySoft Tech

Ktm, Nepal

Software Engineer Intern

Feb 2023 - Sep 2023

- Developed and integrated backend features using **Node.js** and **REST APIs**, supporting 20+ frontend components and improving API response time by 25% across key modules.
- Improved backend query performance by 30% in **PostgreSQL** by reducing unnecessary **JOINS**, optimizing **WHERE** clauses, and indexing high-traffic columns.
- Automated deployment workflows using **CI/CD pipelines** with **Jenkins** and **GitHub Actions**, reducing manual release time by 70% and improving delivery consistency.
- Achieved **100% unit test coverage** and boosted reliability by writing **Jest** and **JUnit** tests and monitoring backend performance via **AWS CloudWatch**.

SKILLS

Language: Python, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Database: FastAPI, Flask, React, Next.js, Express.js, Node.js, REST APIs, Agile, Scrum, Redis, MySQL, PostgreSQL, MongoDB, Pinecone, ChromaDB, Docker, WebSockets

Cloud/DevOps: AWS (S3, CloudWatch, DynamoDB), Jenkins, GitHub Actions, Vercel, Render, Netlify

EDUCATION

Monroe University

New Rochelle, NY

MS in Computer Science

Expected Graduation: Dec 2025

Coventry University

Coventry, UK

BSc (Hons) in Computer Science

Mar 2019 - Apr 2022