Anik Singha

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EDUCATION

Hunter College

B.A - Computer Science, Minor in Mathematics *Aug 2021 - June 2025*

EXPERIENCE

Google Software Engineering Program (G-SWEP) *August 2023 - October 2023*
Participant/Mentee

- Selected as one of 80 participants, outperforming 350+ applicants
- Participated in 10 weeks of rigorous, technical mentoring sessions with a Google SWE
- Attended workshops designed to enhance technical problem-solving and interview skills

MNC Development *February 2023 - May 2023*
Software Engineer Intern

- Developed a fully functional real estate website from scratch, allowing users to easily rent/buy properties
- Utilized React and Material UI to create a visually appealing and responsive UI.
- Leveraged Firebase to develop and implement a robust backend solution, incorporating a high-performance database for efficient data storage and management
- Designed and implemented an advanced filter and sort functionality, resulting in a streamlined user experience

PROJECTS

Monster Escape

- Employed C# scripting to drive the development of an immersive VR experience, optimizing intricate scripts for enhanced interactivity and gameplay mechanics, resulting in a highly engaging user experience.
- Utilized knowledge of Unity to create a VR game that redefined interactivity and immersion, harnessing Unity's rendering, physics, and real-time interaction capabilities to craft a virtual environment.
- Collaborated closely with three other people to maintain version control through Git, ensuring project stability and a streamlined development process.

AI Subtitle Generator

- Developed a robust subtitle generation platform by creating a customized wrapper for the Whisper AI API
- Implemented a self-hostable HTTP API using Flask to streamline integration with web applications
- Containerized the server application with Docker for simplified deployment and scalability
- Designed and implemented an intuitive frontend using React, allowing users to effortlessly upload files and utilize the subtitle generation service

Chat App

- Engineered a comprehensive chat application incorporating user authentication, profile management, and real-time messaging functionality
- Utilized Firestore for efficient user and message storage, streamlining access and creation
- Harnessed the capabilities of React, Material UI, and EmotionJS to create a modern UI and layout
- Implemented routing with React Router and optimized building processes using Vite

RELEVANT COURSEWORK

Software Analysis and Design 3 (DSA), Computer Architecture 2, Operating Systems
Relational Databases and SQL Programming, Intro to Data Science, VR/AR/Mixed Reality

TECHNICAL SKILLS

Languages: Python, Javascript, Scala, C#, SQL (Postgres), HTML/CSS
Frameworks/Tools: React, NodeJS, Flask, ExpressJS, Material-UI, FastAPI, Docker, Unity, Git