

ALFARDIL ALAM

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EDUCATION

New York University, College of Arts and Science, New York, NY

Sep 2023 – May 2027

Bachelor of Arts, Computer Science and Mathematics

Stuyvesant High School, New York, NY

Sep 2019 – Jun 2023

Regents Diploma with Advanced Designation

SAT: 1530 | Overall GPA: 4.0

EXPERIENCE

Passengers United — Software Engineering Intern

Sep 2024 – Present

- Collaborated with transit advocacy experts to tackle commuter safety challenges for public transit users through an app developed through **Expo** and focus groups for testing.
- Aggregating live traffic, safety updates, data from the MTA and **crowd-sourced** data into a real-time delays dashboard.

Synergy Prep — SHSAT and SAT Instructor

Feb 2023 – Present

- Prepared **customized** math, reading, and grammar lessons for 7th and 8th grade students to excel in the SHSAT.
- Provided **discrete** AMC solutions and college preparation tips to 11th graders, increasing test readiness.
- Boosted SHSAT and SAT diagnostic scores by up to **38%** and **42%**, respectively.

Patina Network — Software Engineering Fellow

Sep 2024 – Dec 2024

- Coordinated with team members to build a **Java**-based application, focusing on backend architecture and scalable infrastructure through **Docker**. Managed database operations through **SQL** and optimized API endpoints for performance.
- Participated in mock interviews and mentorship sessions led by Google and Microsoft engineers.

Headstarter — Software Engineering Fellow

Jul 2024 – Sep 2024

- Coached by Amazon, Bloomberg, Capital One SWEs to build web apps utilizing **OpenAI**, **Firestore**, **Clerk**, & **Stripe**.
- Developed projects from design to deployment in tandem with 3 engineering fellows using MVC design patterns.

PROJECTS

Rider — Transit Safety App

Sep 2024 – Present

- Developing a transit app through **Expo** using **Postgres** realtime features for live updates through crowdsourced data.
- Employed **Zustand** to ensure effective state management and **Firestore Cloud Messaging** to notify users of incidents or transit updates in their area. Adopted **NativeWind** for a modern and cohesive UI/UX design.
- Presented a proposal to the Passengers United Board, receiving a **95% approval** rating for scaling and funding initiatives.

Aurangzeb — E-Commerce Website

Nov 2024 - Present

- Built an interactive e-commerce platform using **NextJS**, with **Postgres** and **Prisma** for database management, enabling seamless product listing, secure order management through **Webhook** endpoints, and **Stripe** to handle secure checkouts.
- Implemented **React-Three-Fiber** for 3D clothing models and designed a comprehensive admin dashboard to streamline control over product drops and inventory customization.

KlabKraft — Custom Minecraft Mod

Jun 2024

- Utilized Minecraft **Forge API** and **Java** to seamlessly register custom items, blocks, and recipes within Minecraft.
- Leveraged **Gradle** for build automation, dependency management, and project configuration.

LEADERSHIP & ACTIVITIES

Men's Ultimate Frisbee — Captain & Social Media Manager

Sep 2021 – Present

- Managed **\$15,000+** in donations and school funding, coordinating travel, accommodations, and tournament logistics for 25 athletes, while communicating with captains to arrange game schedules for multiple out-of-state competitions.
- Enhanced team visibility and community engagement by creating social media highlight reels and humorous skits, which boosted online presence, attracting hundreds of followers and **tens of thousands** of viewers.

Masjid-ul Mumineen — Secretary

Sep 2018 – Dec 2022

- Coordinated logistics for large-scale community events, including: back-to-school drives, Ramadan iftars, and Eid prayers for up to **700 attendees**; managed vendor relations, event schedules and volunteer teams.
- Streamlined event planning and communication between mosque leadership, community members, and the NYPD by optimizing the use of Google Calendar and Forms, improving response times and reducing scheduling conflicts.

SKILLS

Skills: Python, Java, Typescript, NextJS, React, Expo, Stripe, Tailwind CSS, Postgres, OpenAI, Docker, DBeaver, Firebase