

# ALFARDIL ALAM

alfardil.alam@nyu.edu | github.com/alfardil | linkedin.com/in/alfardilalam | [alfardil.com](https://alfardil.com)

## EDUCATION

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**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

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**Passengers United** — *Software Engineering Intern* Sep 2024 – Present

- Designing a **React Native** app to enhance safety and provide convenience for NYC public transit users.
- Aggregating live traffic and safety updates 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.

**Headstarter** — *Software Engineering Fellow* Jul 2024 – Sep 2024

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

**Concrete Safaris** — *Intern* Jul 2022 – Aug 2022

- Coordinated with team members to develop and implement environmental projects, using project management software to track progress and deliverables.
- Led environmental education programs for middle school students, using data collection tools to document and analyze urban green spaces.

## PROJECTS

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**Kalendar** — *Calendar Scheduling App* Sep 2024 – Present

- Developing a web app in **Next.js** using **Postgres** realtime features for live updates and seamless user interaction.
- Tested by 30+ users, with a reported **90%** satisfaction rate.

**Aurangzeb** — *E-Commerce Website* Nov 2024

- Built an interactive e-commerce platform using Next.js, with **AWS** and **SST** for scalable backend infrastructure, enabling seamless product listing, order management, and **Lemon Squeezy** 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

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**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

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**Skills:** Python, Java, Typescript, Next.js, React, React Native, Firebase, Tailwind CSS, Postgres, OpenAI, Docker