

# Hasib Rahman Shaif

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## EDUCATION

**CUNY Baruch College, Weissman School of Arts and Sciences**

**Expected Graduation:** December 2026

*Bachelor of Science in Computer Science | Double Minor in Mathematics and Statistics & Quantitative Modeling*

**GPA:** 3.41/4.0

**Relevant Courses:** Data Structures & Algorithms, Operating Systems (Linux/Unix), Object-Oriented Programming (C++), Databases, Software Engineering, Cybersecurity, Web Engineering, Computer Networking, Linear Algebra, Probability

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern**

05/2025 – Present

*Addinex Technologies*

*New York, NY*

- Developed full-stack clinician web portal (Next.js frontend, Nest.js backend) to track patient adherence across 5 studies.
- Reduced deployment times 70% by containerizing microservices with Docker and setting up CI/CD via GitHub Actions.
- Enhanced UX for 100+ patients by implementing features for a React Native prototype replacing a legacy app.
- Built and tested HIPAA-compliant REST APIs using Postman to collect usage metrics for medical decision support.

**Software Engineer & Project Management Intern**

09/2024 – 04/2025

*Cobalt Speech & Language*

*New York, NY*

- Cut runtime errors by 90% by refactoring a Next.js/TypeScript codebase and integrating Redux for state management.
- Led Agile sprint planning and roadmap development in Jira, aligning MVP features with stakeholder priorities.
- Secured \$12.5K investment in seed-stage venture by visualizing ML data with D3.js for investor presentations.
- Built scalable AWS infrastructure (Lambda, S3, EC2) to support efficient product launches and long-term growth.

**IT Systems Analyst Intern**

12/2024 – 02/2025

*Metropolitan Transportation Authority*

*New York, NY*

- Consulted HR to analyze existing payroll workflow and led a system redesign to align with compliance and audit needs.
- Performed risk analysis on a 1200+ user system to identify data exposure, downtime threats, and author mitigation plans.
- Cut processing time by 60% and errors by 80% by building a Next.js/PostgreSQL platform with SQL CRUD operations.
- Coordinated with stakeholders to draft SOPs and ensure seamless integration without payroll disruptions.

## LEADERSHIP & EXTRACURRICULARS

**Co-Founder - BFS (Baruch Full Stack)**

01/2025 – Present

- Established Baruch's premiere SWE club; secured charter, grew membership, and led full-stack app dev for student orgs.

**Member - ALPFA (Association of Latino Professionals For America)**

01/2025 – Present

- Engaged in professional development programming and networking events across business and technology.

## PROJECTS

**Transportation Data Science Project - Northeast Big Data Innovation Hub & U.S. DOT Fellowship**

- Cleaned and processed 2.3M+ NYC traffic records with Python and Pandas to develop road safety recommendations.
- Built 17 visualizations (Matplotlib, PowerBI); used time series and geospatial analysis to uncover 50+ accident hotspots.

GitHub repository: <https://github.com/hasibshaif/NEBDHub-Transportation-Data-Science-Project>

**AI Resume Tailor - Personal Project**

- Built Flask backend, served RESTful endpoints, and used AWS S3/IAM file management for AI resume customizations.
- Designed Next.js/TypeScript frontend with Tailwind and Motion; integrated CI/CD pipelines via Vercel and Render.

GitHub repository: <https://github.com/hasibshaif/AI-Resume-Tailor>

## SKILLS

**Programming/Markup Languages:** Python, C++, JavaScript, TypeScript, SQL, HTML, CSS

**Frameworks/Dev Tools:** React.js, Next.js, Node.js, Nest.js, React Native, Bootstrap, Git, GitHub, Docker, Postman, Jupyter

**Data/Cloud:** Pandas, NumPy, Matplotlib, D3.js, PowerBI, Tableau, Excel, AWS (Lambda, S3, EC2), PostgreSQL, MongoDB

**Collaboration/Design:** Agile, Scrum, Kanban, Jira, Microsoft Office, Figma, Adobe Creative Suite (Photoshop, Premiere Pro)

## AWARDS & RELEVANT CERTIFICATIONS

**Forage** - [JPMorgan SWE Simulation](#) (08/2024); **Google** - [Cybersecurity](#) (06/2024); **Harvard** - [CS50x](#) (05/2024);

**CodePath** - [WEB 101](#) (04/2024); **Baruch** - Dean's Scholars (01/2024, 09/2023, 05/2023)