# Hasib Rahman Shaif

New York, NY • ✉ hasibshaif1@gmail.com • ☎ (929) 374-5110

in https://www.linkedin.com/in/hasib-shaif • ○ https://github.com/hasibshaif • ⊕ https://www.hasibshaif.us

## EDUCATION

**Baruch College, Weissman School of Arts and Sciences** *08/2022 - 05/2026 (Expected Graduation)*
Bachelor of Science in Computer Science
Minor in Mathematics, Minor in Statistics & Quantitative Modeling
**Cumulative GPA:** 3.4/4.0 **Dean's Scholars List** (05/2023, 09/2023, 01/2024)
**Relevant Courses**: Computer Science I & II, Data Structures & Algorithms, Calculus I & II, Discrete Math, Operating Systems, Computer Architecture, Cybersecurity, Database Management Systems, Computer Networking, Statistical Computing

## SKILLS

**Programming Languages/Frameworks**: Python, JS, TS, React.js/React Native, Next.js, C++, SQL, HTML, CSS, Bootstrap
**Tools/Platforms:** Git, GitHub, AWS, MongoDB, Langchain, Pandas, Selenium, D3, Firebase, OpenAI, Pinecone, Excel, PowerBI
**Design**: Figma, Spline, Blender, Adobe Photoshop, Adobe Premiere Pro, DaVinci Resolve 17, Canva

## AWARDS & RELEVANT CERTIFICATIONS

**Forage -** JPMorgan SWE Job Simulation; **Google -** Cybersecurity; **Harvard -** CS50x; **CodePath -** WEB 101;

## EXPERIENCE

**Metropolitan Transportation Authority (MTA) – Software Engineering Intern** *01/2025 – Present*
- Collaborated with a cross-functional team to develop an internal **payroll automation** application, cutting processing time from the existing system by **50%** through digital submission and tracking of adjustments and justifications for interns and managers.
- Built a secure **PostgreSQL** database to store and manage adjustment records, ensuring **accessibility, audit compliance**, and **adherence** to organizational data policies.
- Built an intuitive **React.js** interface to streamline adjustment reviews and enhance transparency for **500+** users.
- Engineered **backend** services with **Node.js**, prioritizing **performance**, **scalability**, and **integration** with existing systems.

**Pulp Internet – Software Engineering Intern** *09/2024 – Present*
- Designed and developed Pulp's website (pulpinternet.com), refactoring **Next.js** and **TypeScript** codebases to resolve **300+ type inconsistencies**, enhance **scalability**, eliminate **runtime errors**, and strengthen Pulp's brand.
- Prototyped the Suade app using **React Native** and **REST APIs**, achieving optimized cross-platform performance.
- Created product demos for investment showcases, partnering with the **data science** team using **Agile** to visualize **machine learning data**, boosting user engagement with complex **datasets** and securing a **$5,000 investment** for Pulp.
- Wrote **AWS Lambda** functions for integrating a **machine learning algorithm** and used **S3** for data storage, enabling the transition of Pulp's resources to a **cloud-native architecture** and laying the foundation for future **scalability**.
- Built **15+** interactive **data visualizations** with **D3** from **Observable**, and integrated 3D models using **Spline, Blender**, and **Three.js** for responsive, cross-browser design.

**Northeast Big Data Innovation Hub TDSP – Data Science Researcher** *01/2025 – Present*
- Cleaned and processed **2M+** NYC traffic incident records (2012–2024) with **Python** to develop road safety recommendations.
- Assessed **data ethics** and **bias**, ensuring integrity during **exploratory data analysis** and **visualization**.
- Conducted **time series** and **geospatial analysis** to identify trends and accident hotspots.
- Designed and presented a virtual poster board to communicate findings through compelling **data storytelling**.

**CodePath – Tech Fellow & Teaching Assistant** *05/2024 – Present*
- Mentored **200+** students in **Python** and **Leetcode** problem-solving for technical interviews (TIP 101).
- Guided **100+** students in building personal websites with **HTML**, **CSS**, **JavaScript**, and **Bootstrap** (WEB 101).

## PROJECTS

**Portfolio Website** | *Skills: Next.js, React.js, TypeScript, Motion, Tailwind CSS, shadcn/ui*
- Created a **responsive** personal hub to showcase skills, projects, education, experiences, and contact information.
*GitHub repository: https://github.com/hasibshaif/Portfolio-Website*

**tAIlor - AI Resume Tailor** | *Skills: Python, Flask, OpenAI, AWS S3, IAM, Next.js, Node.js, TypeScript, Motion, Render, Vercel*
- Developed an **AI-powered** resume tailoring platform leveraging **Python**, **Flask**, and **OpenAI's API** for the GPT large language model, enabling dynamic resume customization based on job descriptions.
- **Engineered** a full-stack solution with a modern **Next.js/TypeScript** frontend, featuring responsive design, **ShadCN/UI** components, and animated interactions using **Framer Motion**.
- **Implemented** secure file management with **AWS S3/IAM** and scalable deployment pipelines using **Render** for the backend and **Vercel** for the frontend.
*GitHub repository: https://github.com/hasibshaif/tAIlor-AI_Resume_Tailor*

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

**Technology Leadership Development Program (TLDP) – Technology Student Leader** *08/2024 – Present*
- Selected as **1 of 35** Baruch students for a year-long **enrichment** program to hone **technical and soft skills** with professionals.
- Gained hands-on experience with tools like **Power BI**, **Big Data**, and **VCS** while enhancing **SQL** and **Python** skills through **technical projects** led by professionals from **Amazon**, **Google**, and **Accenture**.
- Participated in weekly workshops to advance **interpersonal**, **professional**, and **leadership** capabilities.