

Kazi Tishan

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EDUCATION:

Stevens Institute of Technology

Expected Graduation: May 2027

Bachelor of Science in Computer Science – GPA: 3.84

Hoboken, NJ

- Relevant Coursework: Data Structures, Algorithms, Discrete Structures, Computer Architecture, Systems Programming, Programming Languages, DevOps Principles and Practices, Linear Algebra
- Awards & Honors: Kaminski Family Endowed Scholarship, Dean's List (Fall 2024, Spring 2025, Fall 2025)

EXPERIENCE:

Undergraduate Research Office Assistant & Data Analyst

Feb 2025 - Current

Stevens Institute of Technology

Hoboken, NJ

- Developed an automated internship management tool using **Playwright** and **Node.js** to synchronize website listings with Excel deadlines, utilizing session persistence to handle Okta MFA. This reduced manual tasks by 2 hours per week.
- Analyzed and visualized undergraduate demographic data for 4000+ students using **R** and **Python** with **Matplotlib**.

IT Support Intern

Jul 2023 - Aug 2023

NYC Department of Records and Information Services

New York, NY

- Provided **technical support** for the main office and remote sites, **troubleshooting** 5-10 computers daily.
- Assisted the department's transition to Industry City by troubleshooting and setting up hardware/software for 50+ devices.
- Performed PC maintenance, hardware/software installation, upgrades, and **inventory management**, managing 100+ assets.
- Managed **LAN systems**, including 75+ computers, Wi-Fi networks, printers, switches, and UPS devices.

PROJECTS:

Kazino Sportsbook | [Source](#)

Next.js, PostgreSQL, Supabase Auth, Shadcn UI

- Developed a **full-stack** sports betting simulation platform where users place bets on soccer matches using virtual currency.
- Built with **Next.js**, **Shadcn UI**, and utilized **Supabase/PostgreSQL** to manage user profiles, bet history, and active bets.
- Implemented authentication via **Supabase Auth** to ensure secure user sign-ups, logins, and session management.

Kazino Sportsbook API | [Source](#)

Express.js, Puppeteer, Playwright, PostgreSQL

- Developed a **RESTful API** via **Express.js** to fetch and deliver real-time soccer and betting data for various competitions.
- Utilized **Puppeteer/Playwright** to automate the web scraping of live odds and match details to provide accurate data.
- Integrated **caching** mechanisms to optimize performance, reducing response times for frequently accessed endpoints.
- Designed a **Supabase/PostgreSQL** database to store match outcomes for analytics and quick access.

UG Research Automated Internship Management | [Source](#)

Playwright, Node.js

- Reduced the manual content management workload for the Undergraduate Research SharePoint website by 2 hours per week by automating internship listing updates with **Playwright** and **Node.js**.

JWT Authentication with User Sign Up and Login | [Source](#)

Java, Spring Boot, Spring Security, PostgreSQL

- Developed a backend application with sign-up and login functionality via **JWTs** with email verification using **Spring Boot**.
- Integrated a **Supabase/PostgreSQL** database to store user information, verification codes, and token expiration times.

16-Bit Single-Clock Cycle CPU | [Source](#)

Logisim, Python, ARM64

- Architected using **Logisim**, featuring 4 registers, 3-read-ports, a datapath with an ALU, and separate instruction/data RAM
- Developed an assembler in **Python** to translate assembly into machine code, automating hexadecimal image files.

TECHNICAL SKILLS:

Languages: Java, JavaScript, TypeScript, Python, Racket, R, PostgreSQL, MySQL, C/C++

Frameworks/Libraries: React, Next.js, Express.js, Spring Boot, Node.js, Tailwind CSS, Puppeteer, Playwright

Tools/Technologies: Git/GitHub, Microsoft Suite, Google Suite, Postman, Supabase, Vercel