

Amirjon Abdunayimov

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EDUCATION:

New York University — *Tandon School of Engineering*

Expected Graduation: May 2028

Bachelor of Science in Computer Science

Kingsborough Community College:

09/2024 – 07/2026

Associate Degree in Computer Science | GPA: 3.78/4.00

Honors: Dean's List, Honors Program, Phi Theta Kappa (PTK) Member, JCK Scholarship Semifinalist

BrainStation:

Full Stack Web Development Certificate (Completed)

WORK EXPERIENCE:

Sound of Earth, DevOps & Cloud Infrastructure Intern | Remote

05/03/26 – Present

- Architected a containerized development and CI/CD pipeline using Docker, GitHub Actions, and Linux environments to streamline deployment workflows and improve developer productivity by ~25%
- Engineered real-time data monitoring dashboards for climate data pipelines using JavaScript and Python, enabling live system observability across multiple services and reducing incident detection time by 35%
- Optimized deployment and integration workflows by implementing automated testing and Git-based release pipelines, decreasing production bugs by 30–40% and improving release reliability

Octopilot AI, Software Engineering Intern | Remote

05/06/26 – Present

- Developed and deployed a Light/Dark Mode feature for Doc Oct, implementing persistent theme preferences and styling updates across 20+ editor components.
- Debugged and verified 15+ AI-powered writing features, identifying performance bottlenecks and cross-component regressions to ensure production stability.
- Collaborated on system architecture workflows to optimize document editing and AI-assisted writing pipelines across front-and-back-end boundaries.

Kingsborough Community College Learning Center (KLC), Computer Science & Mathematics Tutor

05/02/26 – Present

- Led 100+ technical mentoring sessions for 50+ students, strengthening debugging, computational thinking, algorithmic reasoning, and structured problem-solving.
- Coached students in C++ and Python debugging, algorithm design, control flow, recursion, and software engineering fundamentals, improving systematic debugging and analytical thinking.
- Translated complex technical concepts into structured, step-by-step workflows, enabling students to debug software, analyze problems, and develop independent engineering judgment.

PROJECTS:

GhostMirror — Full-Stack AI Memory Engine | React, TypeScript, TailwindCSS, FastAPI, Python, SQLite, Tauri

- Engineered a local-first desktop memory system that captured and indexed 500+ clipboard and filesystem events in real time using FastAPI background watchers and SQLite persistence
- Built a responsive cyberpunk-inspired analytics dashboard with React, TypeScript, and TailwindCSS featuring semantic search, live event streams, session grouping, and dynamic multi-theme support, reducing event lookup time by ~70%
- Implemented vector-based semantic retrieval architecture using local embeddings and similarity search pipelines, enabling natural-language recall of developer activity with sub-second query responses.

CipherForge — Full-Stack Password Security Web App | React, TypeScript, Tailwind CSS, FastAPI, Python

- Engineered a cyberpunk-themed password generator with real-time strength analysis, customizable security settings, and password history tracking, reducing weak password generation risk by an estimated 70%+ through entropy-based validation logic.
- Built a responsive full-stack architecture using **React + TypeScript frontend** and **FastAPI backend**, implementing dynamic UI rendering, API communication, and optimized state management for smooth sub-second interactions.
- Designed advanced interactive UI features including **Matrix-style animated background**, glassmorphism components, live strength metrics, and secure password generation workflows, increasing user engagement and visual polish beyond standard generator applications.

LEADERSHIP:

AI, Coding, and Systems (ACS) Club — *Founder*

March 2026 – Present

Student Government Association (SGA) — *Legislative Committee Senator*

October 2025 – Present

Student Ambassador — *Kingsborough Community College*

December 2025 – Present

PROFESSIONAL SKILLS:

Programming Languages: JavaScript, Python, C++, PHP, SQL | **Full-Stack Development:** React, Node.js, Express.js, Django, FastAPI,

Databases & APIs: PostgreSQL, MySQL, MongoDB, RESTful API Development, Backend Architecture, Responsive UI Design

Developer Tools: Git, GitHub, Docker, Linux, Postman, CI/CD Pipelines