Aziz Abdusamiev

Brooklyn, NY | 718-866-7562 | aziz.abdusamiev7@gmail.com | github.com/a-ziz-7 | linkedin.com/in/aziz-abdusamiev

Education

BS, *Computer Science*, Brooklyn College, CUNY, 3.9 GPA   Anticipated: May 2025
Minor, *Data Science*, Brooklyn College, CUNY   Anticipated: May 2025

- ✓ **Relevant Coursework:** OOP, Data Structures, Analysis of Algorithms, Machine Learning, Web Dev, C++

Skills

Programming Languages: Python, JavaScript, HTML, CSS, Java, C#, C++, SQL, MATLAB, R, Bash

Frameworks: Flask, DotNet, TensorFlow, Keras, NumPy, Matplotlib, React, Express, Node.js, Bootstrap, jQuery

Tools and Technologies: Git, Linux, REST API, PostgreSQL, SQLite, Postman, Docker, Axios/Fetch, Google Cloud APIs, Microsoft Office, OpenAI GPT, Unix, JetBrains Toolbox API, VS Code, GitHub Pages, Slack

Natural Languages: English (Fluent), Russian (Fluent), Farsi (Fluent)

Professional Experience

Software Development Intern   September 2024 – Present

Fortis Consulting Services Corp, Queens, NY

- ✓ Developed and deployed a web-based solution using C# and .NET Web Framework, integrating PostgreSQL to digitize transportation data, resulting in more efficient data management and streamlined workflows for the Department of Transportation of New York.
- ✓ Design API endpoints, ensuring compliance with city regulations during the transition from physical records to a digital platform, resulting in a 80% improvement in data retrieval speed and a 30% faster project deployment.

President of the Competitive Programming Club   September 2024 – Present

Brooklyn College, Brooklyn, NY

- ✓ Founded and lead the Competitive Programming Club at Brooklyn College, organizing coding workshops focused on LeetCode and HackerRank challenges to sharpen problem-solving skills and collaboration for 50+ members.
- ✓ Secured guest lectures from industry experts and professors to offer insights into coding strategies, real-world applications, AI, and code optimization, enhancing members' preparation for competitive programming events.

Fellow, Software Developer   July 2024 – Present

CUNY Tech Prep, Manhattan, NY

- ✓ Managed the development of EventSphere, a platform for discovering community events, and designed the backend by implementing RESTful APIs with Express, Node.js, and PostgreSQL for event management, in-app chatting, RSVPs, and media uploads.

Software Development Projects

QuoteCrafter - a-ziz-7/QuoteCrafter

- ✓ Engineered a full-stack React/Node.js app that seamlessly integrates OpenAI's GPT-4 and DALL-E 3 models to generate custom quotes and images from user-input topics.
- ✓ Developed a robust back-end system that efficiently processes user requests, manages API interactions, and handles image manipulation, delivering a scalable and high-performance quote generation service.

Hackathons

CUNY Tech Prep Hackathon - ravimultani38/CUNY Connect   August 2024

- ✓ Collaborated with a team of students from multiple colleges to develop and design a complete front-end interface, while also implementing backend features. The app helps students discover various resources across campuses and sends notifications to those users who sign up for the service.

Stony Brook University Hackathon - a-ziz-7/Fibbage   February 2024

- ✓ As a member of a four-person team, I was responsible for the development of the server-side backend for our multiplayer online game Fool Me Twice, a linguistic adaptation of the Jackbox game Fibbage, using Flask.