

# Faizan Khan

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## SUMMARY

Aspiring Software Engineer with expertise in Python, full-stack development, and machine learning. Experienced in designing scalable, high-performance solutions using AWS, Kubernetes, and REST APIs. Passionate about leveraging cutting-edge technologies to solve complex problems and deliver impactful customer experiences.

## EDUCATION

**CUNY Brooklyn College** – Brooklyn, NY

*Bachelor of Science in Computer Science, Minor in Data Science*

Expected Graduation: May 2026

**Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Artificial Intelligence, Machine Learning

## TECHNICAL SKILLS

**Programming Languages:** Python (Expert), JavaScript, Java, C++, SQL

**Frameworks & Tools:** React, FastAPI, Docker, Kubernetes, Terraform, PostgreSQL

**Cloud & DevOps:** AWS, REST APIs, CI/CD Pipelines (Jenkins), NoSQL Databases

**Software Development:** Full Software Development Lifecycle, Agile Methodologies, Automated Testing (Jest, Pytest)

**Machine Learning:** TensorFlow, spaCy, LSTM Neural Networks

**Collaboration:** GitHub, Open Source Contributions, Mentorship, Code Reviews

## EXPERIENCE

**AutoLake LLC** - Frontend Engineer Intern | Berkley, CA (Remote)

July 2025 - Present

- Designed and developed responsive layouts and components using **React** and **JavaScript**, improving user experience.
- Debugged and resolved frontend performance bottlenecks, reducing load times by 20%.
- Collaborated with cross-functional teams in an Agile environment to deliver high-quality software solutions.

**Verastem Oncology** - Information Technology Intern | Needham, MA (Remote)

June 2024 – August 2024

- Automated support workflows with **Python**, reducing manual efforts by 30%.
- Contributed to software deployment and system configuration, gaining hands-on experience with IT infrastructure.
- Demonstrated initiative by building tools that improved the team's development experience

## TECHNICAL PROJECTS

**Love Language GPT** - Co-Creator / Full Stack Developer | Team of 2 (In Progress)

[GitHub](#)

- Built a multilingual chat translation platform using **Qwik.js**, **PostgreSQL**, and **Bionic GPT**, enabling real-time communication across languages.
- Reduced GPU inference latency by 25%, optimizing performance for high-traffic scenarios.
- Demonstrated expertise in full-stack development and cloud-based deployment.

**AI-Powered Resume Analyzer** – Creator / Machine Learning Developer | Solo Project

[GitHub](#)

- Developed a data-driven resume analysis platform using **FastAPI**, **React**, and **TensorFlow**, providing actionable insights to users.
- Deployed a scalable backend with **Docker** and **PostgreSQL**, ensuring high availability and reliability.
- Delivered a robust quality assurance process with automated testing for accuracy.

**Smart Cart** - Creator / Machine Learning Developer

[GitHub](#)

- Engineered a stock forecasting platform using **LSTM neural networks**, achieving 92% accuracy on historical stock data.
- Integrated real-time financial data from the Yahoo Finance API, enabling seamless predictions.
- Demonstrated proficiency in machine learning and predictive analytics.

**InsightDash** – Creator / Full Stack Developer

[GitHub](#)

- Built an analytics platform with real-time data visualizations and predictive analytics using **React**, **Python**, and **PostgreSQL**.
- Designed interactive dashboards for metrics, forecasts, and model comparisons, improving user decision-making.
- Showcased expertise in frontend development and data-driven solutions.

**Map Memoir** – Developer | Google Maps Platform Hackathon | 2025

[Project](#)

- Built an interactive platform that generates personalized fantasy stories based on user-selected locations and custom-designed themes.
- Developed a responsive frontend using React, allowing users to explore and visualize their fantasy worlds.
- Engineered a Flask-based backend to handle API integrations with ElevenLabs, OpenAI, and Google Gemini for natural language and audio generation.
- Optimized API calls and backend performance, reducing response time by 30%, ensuring a seamless user experience.
- Collaborated with a team of 4 to deliver a polished prototype in 48 hours, earning recognition for creativity and technical implementation.

## LEADERSHIP & AFFILIATIONS

**CodePath** – WEB 102 Tech Fellow | Remote

May 2025 - Present

- Gained experience similar to a **Teaching Assistant** by mentoring and guiding 15+ students in React-based AI dashboard development.
- Collaborated with a team on an engineering project and learned from world-class engineers.
- Facilitated weekly technical workshops, demonstrating strong presentation and collaboration skills.

**Brooklyn College Computer Science Club** – Student Treasurer

June 2023 – Present

- Managed event budgets and coordinated logistics, showcasing strong organizational skills and a proactive attitude.
- Collaborated with club leadership to promote tech-focused events, reinforcing teamwork and communication skills.
- Increased club engagement by 25-35% over two years by hosting innovative events.
- Secured \$1,000 in funding and organized the club's first-ever Game Jam, which attracted 50+ participants.