Rushi Patel

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EDUCATION

City University of New York, Queens College — **February 2024**
Bachelor of Arts, Computer Science — *Queens, New York*
Relevant coursework: Data Structures and Algorithms, Database Systems, Computer Architecture,
Operating System Principles, Software Engineering, Object-Oriented Programming in C++/Java, Internet and Web technologies

SKILLS

Programming Languages: Python, Java, SQL, Javascript, C++, HTML, CSS
Technologies: AWS, Django, React, MySQL, Express, Node.js, Oracle, Postman, Pandas, Tailwind, GraphQL, Git/Github, Power BI
Certifications: AWS: Solutions Architecture Program, JPMC: Software Engineering Experience, AWS Educate: Cloud Computing
Bloomberg: Client Engagement Job Sim, Google Project Management: Specialization, Meta: Introduction to Databases

EXPERIENCE

Tech Incubator at Queens College — **Feb 2023 – May 2023**
Software Engineer Intern — *Remote*
- Consulted for Active World, a B2B e-commerce startup, on backend software development to define key functionalities and architecture to support their digital growth.
- Spearheaded development of a **Python** backend system to automate **SOAP API** fetches and database updates, enhancing real-time data availability and cost reduction.
- Developed scalable algorithms to process API responses into an ETL data pipeline for over 30 web service endpoints.
- Designed a **MySQL** database using normalization to enhance data integrity and reduce data inconsistencies by over 13%.
- Streamlined supplier API integration through collaborative QA testing with **Postman** alongside fellow interns, and ensured project alignment by actively engaging stakeholders in regular meetings.

K Level 1 — **Apr 2023 – Apr 2023**
Software Engineer Intern — *Remote*
- Coordinated with a team of 10 including engineers following **Agile** practices to create MVPs for a Blockchain startup.
- Implemented OpenAI's GPT models to construct a **Python** AI chatbot achieving high accuracy in generated responses.
- Processed diverse info sources to vectorize data for efficient integration into a LLM and achieve high-quality JSON output.
- Created **React** components to present dataset information by cleaning and converting excel data using **Pandas** library.

LEADERSHIP EXPERIENCE

BASTA — **New York, New York**
Fellow — *January 2024 - Present*
- Selected to participate in a rigorous 10-week fellowship career prep program designed to support first-generation college students and land a great entry-level position.

Google Software Engineering Program Fellow — *July 2023 - September 2023*
- Selected as one of 80 participants, outperforming 350+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and attend workshops to enhance technical problem-solving and interview skills.

PROJECTS

Data Professions Dashboard | *Excel, Power BI: DAX, Power Query, Drill Down*
- Developed an interactive dashboard with Power BI to provide key trends about the Data Professions landscape.
- Conducted in-depth analysis to identify correlations between Job title, Experience level, Salary and other factors to generate actionable insights relevant to job seekers and talent acquisition.
- Leveraged Excel and Power Query for survey data cleaning and validity, ensuring accuracy and consistency across data tables.

Restaurant Web App | *Python, Django, MySQL, HTML, CSS*
- Designed a full-stack Restaurant app using Django, featuring a user-friendly Menu page and admin dashboards for efficient menu and staff management.
- Constructed a RESTful API using DRF, incorporating serializers and caching for optimized data handling & performance.
- Developed a Reservation page using Django's Form API, streamlining customer bookings and data storage in a MySQL database.

Portfolio Website | *Javascript/Node.js, AWS Amplify, React, Tailwind CSS, HTML*
- Designed a responsive website to display a digital portfolio using React, Javascript and Tailwind CSS.
- Established a CI/CD pipeline with AWS Amplify, leveraging GitHub for version control and automated deployments.
- Created and imported a 3d rendered model from Spline.design to generate an interactive tile on the home page.