Momin Khan

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EDUCATION

Stony Brook University — Stony Brook, NY
Bachelor of Science in Computer Science — *Aug. 2023 – Present*

- **Relevant Coursework:** Data Structures, Foundations of Computer Science, Intro to Object-Oriented Programming, Applied Calculus II
- **Extracurriculars:** Stony Brook Computing Society, SBUHacks, AI Community @ SBU, SBU Web Development Club

Plattsburgh High School — Plattsburgh, NY
Advanced Regents Diploma with High Honors (4.0 GPA) — *Aug. 2019 – June 2023*

EXPERIENCE

Opstimize — New York City, NY
Fullstack Developer Intern — *Jan 2023 - Dec 2023*

- Contributed in development of a pharmaceutical manufacturing scheduling platform, optimizing workflow and reducing waste
- Implemented predictive scheduling algorithm, reducing downtime and enhancing production efficiency
- Created dynamic Next.js/React.js dashboard, streamlining data management and improving user experience
- Developed scalable Django-based RESTful APIs for data synchronization between frontend and backend systems
- Utilized PostgreSQL for secure data storage, efficient query execution, and data integrity

Lavner Education — Garden City, NY
IT Intern/Instructor — *June 2024 – Present*

- Facilitated over 100 technical projects for courses including Python, Java, C++, and Web Development (HTML, CSS, JavaScript), and provided simultaneous debugging assistance to up to 9 individuals, ensuring efficient issue resolution.
- Developed and tested dynamic web applications using HTML, CSS, JavaScript, and React, emphasizing Responsive Web Design principles to enhance user experience and functionality.
- Troubleshoot, repaired, and automated software updates for over 80 electronic devices, reducing maintenance time by one hour per device and significantly improving operational efficiency.

PHS Coding Club — Plattsburgh, NY
Founder/President — *Sept. 2020 – June 2023*

- Designed an engaging curriculum covering Python, Java, HTML/CSS, and Arduino robotics
- Organized monthly coding challenges and annual hackathons with student participation in international coding competitions, with several members winning awards
- Initiated a peer mentoring program, enhancing coding proficiency and interest in STEM fields within the school community

CERTIFICATIONS

JPMorgan Chase & Co SWE Job Simulation via Forage

- Developed and maintained a real-time trading dashboard for JPMorgan Chase using Python, integrating a stock price data feed to enhance trading strategies and decision-making.
- Led the repair of a critical datafeed script, implemented unit tests for reliability, and optimized trading applications using JPMorgan's Perspective framework, TypeScript, and npm.

AWS Certified Cloud Practitioner

- Demonstrated expertise in AWS Cloud fundamentals, proficient in compute, network, database, and storage services, managing security and compliance, optimizing costs, and implementing tailored solutions to enhance operational efficiency and scalability.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, C/C++, SQL, TypeScript, Git, LaTeX
Technologies: Next.js, React/Redux, Django, Redis, Docker, Amazon AWS, Perspective, Arduino