Shaker Ahmed

716-533-6876 | sahmed35@buffalo.edu | linkedin.com/in/shakerahmed |

EDUCATION

University at Buffalo, The State University of New York — Buffalo, NY
Bachelor of Science in Computer Science, Minor in Mathematics — *Aug 2021 – May 2025*
- Relevant Coursework: Data Structures, Algorithms and Complexity, Computer Organization, Distributed Systems

EXPERIENCE

CaelusMinds — May 2023 – Present
Full Stack Developer Intern — *Cheektowaga, NY*
- Spearheaded digital transformation of a Ingersoll Rand's CPQ tool component, transitioning from a legacy Windows Forms application to a modern web-based platform, resulting in a 30% increase in system efficiency
- Collaborating with an Agile cross-functional team to design and execute 10+ UI/UX enhancements tailored to engineers workflows, re-structuring the CPQ process to cut down quote generation time
- Executing front-end development, resulting in decrease in page load times and a 50%+ increase in user satisfaction among engineers
- Concept Design to improve CPQ tool efficiency by 50% through advanced search and data module integration's, streamlining product configurations and quoting processes
- Optimized API endpoints and databases by integrating data modules, eliminating redundant data copies. Expected to cut query response time and downtime by over 40%, boosting system efficiency

Oigetit.Ai Fake News Filter — Mar 2024 – Present
Quality Assurance Analyst Intern — *Remote, USA*
- Reported 15 software bugs and solutions, boosting Oigetit's AI tool usability and reliability for 32,000 users

Alternative Information Systems — Dec 2019 – Apr 2020
Information Technology Support Intern — *Buffalo, NY*
- Managed IT support for a district with 60 facilities and 32,000 users, achieving a 95% satisfaction rate
- Resolved hardware issues, including failures, crashes, virus infections, and configuring devices to meet client needs
- Installed, configured, and managed computer systems, peripherals for over 100 devices, and accurate hardware inventory records and conducted regular maintenance checks to prevent downtime

PROJECTS

Connect 4 Game | *Python, Flask, ReactJS, MongoDB, Docker, Nginx, UI/UX* — Dec 2023
- Engineered a robust multiplayer game platform using Flask for REST API and React for front-end, enabling real-time updates via WebSocket, supporting 500+ concurrent players
- Implemented robust security measures to protect against common web vulnerabilities, including SQL injection and cross-site scripting (XSS & CSRF), passing rigorous penetration testing conducted by 120 users

Point of Sale (POS) System | *Scala, IntelliJ, GUI* — Apr 2022
- Coded backend of POS using object-oriented programming principles allowing custom items, taxes, and sales
- Reduced checkout times by 20% by creating shortcuts via state patterns for customers shopping and checking out using GUI and automated testing to reduce software bugs by 100%

CDC Vaccine Statistics Web App | *Python, JavaScript, HTML/CSS* — Nov 2021
- Designed and implemented a dynamic web application to visualize real-time CDC data, facilitating interactive exploration of vaccine statistics and trends
- Leveraged HTML, CSS, JavaScript, and Python to retrieve, clean, filter, and present data from a CSV file containing 25,000 entries, resulting in streamlined data processing and accurate data representation

TECHNICAL SKILLS

Languages: Python, C/C++/C#, Scala, Java, JavaScript, HTML/CSS, SQL, Golang
Frameworks: Flask, ReactJS, React Native, Django, ExpressJS, .NET, C#/VB.NET, Razor
Developer Tools: Miro, Jira, Docker, Slack, Azure, IntelliJ, Visual Studio, GitHub, Jenkins, Bit-bucket, CI/CD
Soft Skills: Communication, Teamwork, Leadership, Analytical, Drive
Interest: Passion for technology, Desire to work on innovative projects, Continuous Learning