Sheraz Ahmed

U.S. Citizen | (614) 586-6575 | Sherazssj20@gmail.com | https://www.linkedin.com/in/sheraz-ahmed-ssjraz |
| https://github.com/SsjRaz |

EDUCATION

The Ohio State University — Columbus, OH
Bachelor of Science in Computer and Information Science, GPA: 3.5 — May 2027
Awards/Honors: Dean's List
Relevant Coursework: Data Structures and Algorithms, Software Components, Java Programming, Python Programming, Computer Architecture

TECHNICAL SKILLS & CERTIFICATIONS

Programming: Java, C++, Python, SQL
Cloud & DevOps: Linux/Unix, Git, Spring Boot, Docker, CI/CD pipelines, AWS, Azure, Azure DevOps
QA & Testing: JUnit, Selenium, Automated Regression Testing, Debugging
AI/ML: Generative AI, Machine Learning, Data Preprocessing, Model Evaluation
Certifications: IBM - Generative AI for Software Development, JP Morgan Chase Software Engineer Virtual Experience
Additional Experience: JavaScript/TypeScript, React, Angular, RESTful APIs, MySQL

WORK EXPERIENCE

EDI Matrix — Columbus, OH
Software Engineering Intern — Sept 2024 – Present
- Designed and deployed a microservices-based Java Spring Boot POS system on AWS and Linux servers, optimizing transaction throughput by 25% for 1000+ daily operations
- Created automated regression test suites in Java (JUnit, Selenium) applying software verification best practices, reducing post-deployment defects by 75%
- Developed a SQL ETL pipeline processing 1,500+ monthly transactions, automating reporting and eliminating manual reconciliation; integrated CI/CD pipelines with Docker and Azure DevOps, reducing release prep effort by 85% and enabling weekly feature drops
- Led Agile sprints in Azure Boards with QA and engineers, ensuring smooth weekly production releases

Sekai — Columbus, OH
Web Developer & Tech Consultant — Mar 2023 – Sept 2024
- Engineered 15+ full-stack solutions (JavaScript, MySQL, Python) with custom modules and performance tuning, lifting client conversions by 50%
- Designed and deployed Python-based automation pipelines integrating APIs and databases to streamline order, invoice, and inventory workflows, cutting manual processing time by 50% and reducing data errors by 20%

PROJECTS

Cryptocurrency Prediction Model (Python, Pandas, NumPy, ccxt, PyTorch, SQL, Matplotlib)
- Built a cryptocurrency forecasting system to predict short-term price movements using historical and real-time market data, machine learning models, and quantitative trading indicators
- Collected and processed 800+ hours of historical crypto data via exchange APIs (*ccxt*), transforming raw OHLCV feeds into structured datasets with 20+ extracted technical indicators (e.g., moving averages, RSI, volatility)
- Prototyped ML models (*PyTorch, scikit-learn*) and developed backtesting tools (*Matplotlib, Plotly*) with a SQL-backed datastore, simulating 1000+ trades to benchmark predictive accuracy and inform trading strategies

AI-Powered Staffing Automation System (Python, Machine Learning, Algorithm Design, Selenium, Azure, Generative AI)
- Built a Python automation system integrating databases, APIs, and web scraping to match candidates to job descriptions
- Applied ML ranking algorithms (embeddings, preprocessing, evaluation) to improve match accuracy by 60%
- Deployed on Azure App Service with parallel multi-session execution, reducing staffing workflow time by 40% and enabling scalable real-time processing

EDI Stars (Java, Spring Boot, Azure, Algorithmic Scoring, Angular)
- Built a SaaS platform hosted on Azure for managing company workflows, leads, bids, and tasks, enabling client-specific portals to track opportunities from initial lead to win/loss
- Developed a Java microservice (Spring Boot) with vector embeddings to auto-score resumes vs. job descriptions, and delivered 12+ Angular components (dynamic tables, modals) powering a multi-user dashboard
- Engineered serverless Azure Functions workflows to automate candidate notifications and lead updates, reducing manual outreach by 60% and doubling response rates

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

ColorStack Member — Supported 100+ Black and Latinx CS students by organizing resume reviews, mock interviews, and direct connections with recruiters from top tech companies.