

Sheraz Ahmed

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EDUCATION

The Ohio State University

Bachelor of Science in Computer and Information Science GPA 3.4/4.0

Columbus, OH

May 2027

Awards/Honors: Dean's List

Relevant Coursework: Data Structures and Algorithms, Software Components, Java Programming, Python Programming, Computer Architecture

TECHNICAL SKILLS

Programming: Java, Python, JavaScript, SQL, C++

Databases: MySQL, PostgreSQL, MongoDB

Frameworks & Tools: Spring Boot, Git, Azure DevOps, React.js, REST APIs, CI/CD, Junit, Selenium

Cloud & Infrastructure: AWS, Azure, Docker, Kubernetes, Linux/Unix

AI & ML: NumPy, PyTorch, TensorFlow, scikit-learn, Pandas

PROFESSIONAL EXPERIENCE

EDI Matrix

Columbus, OH

Software Engineering Intern

Sept 2024 – Present

- Designed and deployed end-to-end **POS microservices** using **Java Spring Boot on AWS**, integrating payment, inventory, and reporting modules to support **1,000+ secure transactions per day** and improve system reliability.
- Delivered well-documented, tested, and operable code by developing **JUnit & Selenium regression test suites** using TDD, **catching 95% of critical issues** pre-release
- Engineered **SQL-based ETL pipelines on Azure cloud** to process 30K+ monthly transactions, improving data reliability, automating validation scripts, and supporting real-time reporting across distributed POS environments
- Automated the entire **POS testing lifecycle** by creating end-to-end **Java + Selenium pipelines within Azure DevOps**, **reducing manual QA time by 80% (10 hours to 2 hours)** and enabling continuous integration/deployment on **AWS-hosted environments**
- Coordinated **Agile sprints** with QA and engineering teams through **Azure Boards**, following SDLC and accelerating feature delivery cycles and ensuring on-time, high-quality releases across multiple deployment environments

Sekai

Columbus, OH

Web Developer & Tech Consultant

Mar 2023 – Sept 2024

- Delivered 15+ **cloud-hosted** solutions using **Python, SQL, JavaScript, HTML/CSS**, and lightweight automation scripts for small businesses, boosting client conversion rates by 50% and streamlining site operations
- Created **Python automation** pipelines leveraging **REST APIs** to sync orders and invoices into **SQL databases**, eliminating manual data entry and reducing errors to zero

PROJECTS

[Cryptocurrency Prediction Model](#) (Python, Pandas, NumPy, ccxt, PyTorch, SQL, Matplotlib) – In Progress

- Designed an **automated ML forecasting pipeline** to predict short-term crypto price movements using historical and real-time market data
- Collected and processed **800+ hours of exchange data** through ccxt APIs, engineered 20+ technical indicators, and stored datasets in **SQL** for scalable training and evaluation
- Built and evaluated **PyTorch and scikit-learn** models with custom **backtesting automation** simulating **1,000+ trades**, improving performance tracking and ROI measurement accuracy

AI-Powered Staffing Platform (Python, Java, Spring Boot, Angular, Azure, Selenium, ML, REST APIs)

- Developed and deployed an AI-powered staffing platform using **Spring Boot microservices on Azure Cloud**, integrating automated data pipelines and cloud-based services to match candidates to jobs in real time
- Built **Python automation pipelines** leveraging **REST APIs and Selenium** to extract, transform, and ingest recruitment data, **cutting manual workflow time by 40%** and ensuring continuous data synchronization
- Designed and applied **ML embeddings and ranking algorithms** in **scikit-learn & NumPy**, improving resume-to-job match accuracy by 60% and **reducing manual screening time by 50%**

LEADERSHIP EXPERIENCE

Big Data & Analytics Association (BDAA) – Project Lead

Led 300+ students in semester-long machine learning projects, teaching Python, scikit-learn, and PyTorch through workshops and code reviews; ensured teams completed deliverables for presentation at the end-of-semester Project Gala

ColorStack – Member

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