

# Sheraz Ahmed

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## EDUCATION

### The Ohio State University

Bachelor of Science in Computer 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, Low Level Programming

## TECHNICAL SKILLS

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

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

**Web Development:** REST APIs, React.js, HTML, CSS, JSON/XML, Spring Boot

**Frameworks & Tools:** Containers, Kubernetes, Git, CI/CD, Docker, Linux/Unix, Junit

**Cloud & Databases:** Azure, AWS, MySQL, PostgreSQL, MongoDB

## 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 enabling 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 **Java, Azure, 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 & DEVELOPMENT

**JPMorgan Chase – Code for Good Hackathon 2025**

- Selected to develop a real-world solution for CareerRise at JPMC Code for Good 2025, leading full-stack development (**Python + React**) to deliver a working prototype in 24 hours; voted **“Best Teammate”** by my team

**Big Data Analytics Association – Project Lead**

- Led and mentored 300+ students in semester-long ML projects, **teaching Python, scikit-learn, and PyTorch** and ensuring students had complete projects to present
- Developed an [NBA Prediction Model](#) forecasting head-to-head game outcomes using team data and received **1st place** at the Project Gala