

# Muhammad Hashir

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## EDUCATION

### Saint Louis University

Bachelor's in Computer Science

St. Louis, Missouri

Expected Graduation: May 2026

**Relevant Coursework:** Data Structures (C++), Algorithms (C++), Databases (SQL), Operating Systems (C), Distributed Computing (C), Software Engineering (Java), Object-Oriented Programming (Java)

## EXPERIENCE

### Software Engineer

JPMorgan Chase & Co. - Software Engineering Program

November 2025

Manhattan, New York

- Built **Midas Core**, a real-time transaction processing system using **Spring Boot** and **Apache Kafka**
- Implemented transaction validation with **Spring Data JPA**, enforcing balance checks and database audit trails
- Integrated external incentive **REST API** and exposed **JSON endpoints** for user balance queries

### Co-Founder

Open Politic

October 2025 - Present

St. Louis, Missouri

- Co-founded **startup**; led development of **full-stack** U.S. policy search app with **Next.js** and **Spring Boot**
- Ran **Agile/Scrum** in **5-person dev team**, leading standups, sprint planning, and PR-based code reviews
- Applied **SDLC** practices with tests, made **CI/CD** pipelines, and scalable **MongoDB** services using GPO data

### Teaching Assistant - Operating Systems

Saint Louis University

August 2025 - Present

St. Louis, Missouri

- Responsible for grading **500+** Operating Systems assignments for **28** students in **C** and other OS topics
- Held weekly office hours for **28** students, clarifying processes, threads, synchronization, and memory management
- Guiding students through **debugging** multi-threaded **C** programs, reinforcing topics learned in lecture

### Software Engineer

Where's Religion?

August 2025 - Present

St. Louis, Missouri

- Building scalable cross-platform app with **1,000+** users using **TypeScript**, **React.js**, and **React Native**
- Deploying with **Docker**, **AWS**, and **GitHub Actions** in an **Agile** workflow following **SDLC**
- Led database migration from legacy system to **MongoDB**, migrating all user data with zero downtime

### Software Engineer Intern

Headstarter

June 2025 - August 2025

Long Island, New York

- Built ML pipelines with **Computer Vision** and **OCR** serving **1M+** users across healthcare and fintech sectors
- Deployed scalable ML microservices on **AWS** (Lambda, S3, API Gateway) to support production workloads
- Automated data pipelines with **pandas** and **NumPy** to power real-time feature extraction and analytics

### Software Engineer Intern

Geez Creationz

June 2023 - August 2023

St. Louis, Missouri

- Collaborated in a **3-person Agile** team to **design** and **develop** the official GEEZ Creationz website
- Boosted client acquisition by **70%**, contributing to **\$300K+** in new business within **6 months**
- Took ownership of the frontend revamp with **React.js** and **TypeScript**, shaping the brand's digital identity

## PROJECTS

### Multimodal-PA-Pipeline | Python, OpenCV, spaCy, PyTorch, pandas, numpy | Mandolin | GitHub

June 2025

- Built automated Python pipeline using **OCR** that **eliminated 2** hours of manual work per patient case
- Developed **NLP** extraction system that processes **500+** medical forms daily with **95%** accuracy

### Property Recommendation System | Python, pandas, numpy | Automax AI | GitHub

May 2025

- Built ML system for real estate appraisals to recommend comparable properties, **saving \$80K+** annually
- Implemented AI feature importance analysis and similarity scoring, **eliminating 90%** of manual review cycles

## TECHNICAL SKILLS

**Languages:** Python, Java, C/C++, TypeScript, JavaScript, SQL

**Frameworks:** React.js, Next.js, React Native, Expo, Spring Boot, Spring Data JPA, Tailwind CSS, LangChain

**Data/ML:** Pandas, NumPy, scikit-learn, PyTorch, OpenCV, spaCy, matplotlib, seaborn, BeautifulSoup, joblib

**DevOps & Cloud:** Docker, AWS, MongoDB, Apache Kafka, GitHub Actions (CI/CD)