Muhammad Hashir

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EDUCATION

Saint Louis University — St. Louis, Missouri
Bachelor's in Computer Science — *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

Co-Founder — October 2025 - Present
Open Politic — *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, **CI/CD** pipelines, and scalable **MongoDB** services using GPO data

Teaching Assistant, Operating Systems — August 2025 - Present
Saint Louis University — *St. Louis, Missouri*
- Responsible for grading **500+** Operating Systems assignments for **28** students in **C** and other OS topics
- Hold 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 Intern — August 2025 - Present
Where's Religion? — *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 — June 2025 - August 2025
Headstarter — *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 — June 2023 - August 2023
Geez Creationz — *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
- Implemented error handling and logging, **reducing** system crashes by **80%** in production

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
- Deployed **end-to-end automation** with real-time predictions and **JSON API** integration

Ozzy | *React Native, TypeScript, JavaScript, Expo* | GitHub | Devpost — April 2025
- Developed Ozzy, an assistive voice app in **24** hours that **won HackSLU 2025**'s "**Most Innovative Project**"
- Integrated **Whisper API** with custom audio processing using **NLP**, cutting latency by **90%**

TECHNICAL SKILLS

Languages: Python, Java, C/C++, TypeScript, JavaScript, SQL
Frameworks: React.js, Next.js, React Native, Expo, Spring Boot, Tailwind CSS, LangChain
Data/ML: Pandas, NumPy, scikit-learn, PyTorch, OpenCV, spaCy, matplotlib, seaborn, BeautifulSoup, joblib
DevOps & Cloud: Docker, AWS, MongoDB, GitHub Actions (CI/CD)