

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

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 difficult topics

Software Engineer Intern

August 2025 - Present

Where's Religion?

St. Louis, Missouri

- Contributing to 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**
- Refactored legacy components and improved build pipelines using **TypeScript**

Software Engineer Intern

May 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

May 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

PolicyMe | *Next.js, React.js, TypeScript, Spring Boot, Java* | [GitHub](#)

October 2025

- Built **full-stack platform** for **10K+** policy searches using **GPO API** and RESTful **Spring Boot** backend
- Developed using **Agile/Scrum** in **5-person team** with Trello for sprint planning and code reviews
- Followed **SDLC**, including **CI/CD** pipelines and scalable architecture for **1M+** users

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, **cutting** latency by **90%**

TECHNICAL SKILLS

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

Frameworks: React Native, Spring Boot, React.js, Next.js, Expo, Tailwind CSS, Lanchain

AI/ML: pandas, numpy, joblib, scikit-learn, matplotlib, seaborn, OpenCV, spaCy, PyTorch, Beautiful Soup

DevOps & Cloud: Docker, AWS, GitHub Actions (CI/CD, issues, workflows), Git/GitHub, Linux