

Muhammad Hashir

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EDUCATION

Saint Louis University

Bachelor's in Computer Science

St. Louis, Missouri

Expected Graduation: May 2026

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

August 2025 - Present

Where's Religion? (Open Source Project with SLU)

St. Louis, Missouri

- **Contributing** to cross-platform app with **1,000+** users using **TypeScript**, **React.js**, and **React Native**
- **Deploying** with **Docker**, **AWS S3**, and **GitHub Actions** in an **Agile** workflow following **SDLC**
- **Collaborating** with open-source team on code reviews, design, and performance improvements

Software Engineering Resident

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
- **Shipped 2** production-ready prototypes for **2** startups, **tested** by **200+** users with iterative feedback
- **Mentored** by engineers from Google, Meta, Microsoft, Amazon, Apple, NVIDIA, Palantir, and OpenAI

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**
- **Delivered** a fully responsive site across **12 weekly sprints** using **TypeScript** and **React.js**

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

Kira | *Next.js, TypeScript, JavaScript, React.js, Tailwind CSS* | [GitHub](#)

April 2025

- **Built** an AI medical triage app with Gemini API; **top 5** out of **80** at **Google DevFest WashU 2025**
- **Implemented** voice and image input processing with **90%** assessment accuracy and HIPAA-compliant handling
- **Designed** a responsive UI with **Tailwind** and **Radix**, **reducing** user interaction time by **80%**

Ozzy | *React Native, TypeScript, JavaScript, Expo* | [GitHub](#)

April 2025

- **Developed** Ozzy, an assistive voice app that **won HackSLU 2025's "Most Innovative Project"**
- **Integrated** Whisper API with custom audio processing, **cutting** latency by **50%**
- **Deployed** to **4+** device types with cross-platform support using Expo and React Native

TECHNICAL SKILLS

Languages: Python, Java, C/C++, TypeScript, JavaScript, HTML/CSS, SQL, R

Frameworks: React Native, React.js, Next.js, Expo, Tailwind CSS, Langchain

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

DevOps & Cloud: Docker, AWS S3, GitHub Actions (CI/CD, issues, workflows), Git/GitHub, Linux, VS Code