

# Muhammad Hashir

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## EDUCATION

### Saint Louis University

Bachelor's in Computer Science

St. Louis, MO

Expected Graduation: May 2026

**Relevant Coursework:** Object-Oriented Programming (**Python**), Data Structures (**C++**), Computer Organization & Systems (**C**), Object-Oriented Software Design (**Java**), Operating Systems (**C**), Foundation of Statistics (**R**)

## EXPERIENCE

### Software Engineer

Open Source with SLU

August 2024 - December 2024

St. Louis, MO

- **Contributed** to DADS project across **8** sprints, **delivering** features on CI/CD and Agile workflows
- **Spearheaded** React.js front-end redesign for **improved** scalability and responsive UI/UX
- **Optimized** PostgreSQL queries with indexing, **boosting** retrieval efficiency by **5%**

## PROJECTS

### Kira | Next.js, TypeScript, JavaScript, React.js, Tailwind CSS

April 2025

- **Built** an AI medical triage app with Gemini API at Google DevFest WashU 2025; selected as a **top project**
- **Implemented** voice and image input processing with **98%** assessment accuracy and HIPAA-compliant handling
- **Designed** a responsive UI with Tailwind and Radix, **reducing** user interaction time by **85%**

### Ozzy | React Native, TypeScript, JavaScript, Expo

March 2025

- **Developed** Ozzy, an award-winning assistive voice app that won "**Most Innovative Project**" at HackSLU 2025, **improving** speech intelligibility by **3x** using React Native, TypeScript, and OpenAI APIs
- **Built** a cross-platform solution for **4+** device types and fixed **5** third-party library issues to enable deployment
- **Integrated** Whisper API with custom audio processing, **cutting** latency by **40%** and supporting **50+** languages for global accessibility

### Portfolio Website | Next.js, TypeScript, JavaScript, React.js, Tailwind CSS

February 2025

- **Built** and **deployed** a terminal-themed portfolio with Next.js and Tailwind CSS
- **Designed** a custom bento-grid UI with **8+** interactive components
- **Implemented** a document viewer that **reduced** bounce rates by **25%** by allowing instant resume access

### Scrapefy | Python, Langchain, Selenium, Streamlit, BeautifulSoup

September 2024

- **Developed** Scrapefy, an AI-powered web scraper, **utilizing** Selenium and BeautifulSoup to **automate** and **parse** website content with a user-friendly Streamlit interface
- **Integrated** Ollama LLM for intelligent content extraction, **enabling** users to define custom instructions for parsing data from scraped websites
- **Optimized** data processing by splitting large DOM structures into smaller chunks, **improving** the efficiency of AI-driven analysis and content extraction

## LEADERSHIP

### Founder/President

STLCC Muslim Student Association

January 2023 - December 2023

Kirkwood, MO

- **Managed** budget of **\$2,000+** for MSA activities, **optimizing** resources to **maximize** event quality and reach
- **Increased** membership through targeted outreach streamlined via Instagram, flyers, and word of mouth
- **Coordinated** **6** large-scale events, **attracting** an average of **25+** attendees per event

## TECHNICAL SKILLS

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

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

**Libraries:** Streamlit, BeautifulSoup, Framer Motion, Lucide, Radix, Shadcn, OpenAI, Ollama, Gemini

**Developer Tools:** Git, Gradle, JUnit, Selenium, PostgreSQL, LaTeX, Linux, VS Code, GitHub Actions, Slack