

Muhammad Hashir

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EDUCATION

Saint Louis University

St. Louis, MO

Bachelor's in Computer Science

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

Open Source with SLU

August 2024 - December 2024

Software Engineer

St. Louis, MO

- **Contributed** to DADS project across **8+** sprints, **delivering** features to **enhance** functionality
- **Spearheaded** React.js front-end redesign for **improved** scalability and responsive user experience
- **Optimized** PostgreSQL queries with indexing, **boosting** retrieval efficiency by **5%**

PROJECTS

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

Ozzy Website | Next.js, TypeScript, JavaScript, Tailwind CSS

March 2025

- **Built** a responsive Next.js site for Ozzy, **boosting** user engagement by **75%**
- **Designed** dark-mode UI, creating **15+** reusable components and **reducing** development time by **50%**
- **Launched** with **95%** accessibility score, **expanding** user reach by **30%** with clear UI/UX

Portfolio Website | Next.js, TypeScript, 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

STLCC Muslim Student Association

January 2023 - December 2023

Founder/President

Kirkwood, MO

- **Managed** a budget of **\$2,000+** for association activities, **optimizing** resources to **maximize** event quality and reach
- **Coordinated** **6** large-scale events including trivia night and dialogue with a guest speaker, **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, Selenium, Langchain

Libraries: Streamlit, BeautifulSoup, Framer Motion, Lucide, OpenAI, Ollama

Developer Tools: Git, PostgreSQL, LaTeX, VS Code