Muhammad Hashir

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EDUCATION

Saint Louis University   St. Louis, Missouri
Bachelor's in Computer Science   *Expected Graduation: May 2026*

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

EXPERIENCE

Software Engineering Resident   May 2025 - August 2025
Headstarter   *Long Island, New York*

- **Built 6** AI projects in **12** weeks, each tackling real-world problems with custom APIs and LLMs
- **Shipped 3** production-ready prototypes for various startups, **tested** by **200+** users with iterative feedback
- **Mentored** by engineers from Google, Meta, Microsoft, Amazon, Apple, NVIDIA, OpenAI, and top AI startups

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, **boosting** client acquisition by **65%** and **contributing** to **$30K+** in new business within next **6** months
- **Delivered** a fully responsive site ahead of schedule across **12 weekly sprints** using HTML, CSS, JavaScript
- **Implemented** SEO and performance optimizations, **increasing** organic traffic by **3x**

PROJECTS

Property Recommendation System | **Automax AI** | *Python, pandas, numpy*   June 2025

- **Built ML property recommendation engine** using Random Forest/Gradient Boosting on 21MB+ datasets, **reducing** manual selection time by **98%** and potentially **saving $80K+** annually in analyst hours
- **Implemented** AI feature importance analysis and similarity scoring, **eliminating 75%** of manual review cycles
- **Deployed end-to-end automation** with real-time predictions and JSON API integration, **reducing** property appraisal turnaround time from **5** days to **2** hours

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
- **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%**

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

TECHNICAL SKILLS

Languages: Python, Java, C/C++, TypeScript, JavaScript, HTML/CSS, SQL (Postgres), R
Frameworks: React Native, React.js, Next.js, Expo, Tailwind CSS, Langchain
AI/ML: pandas, numpy, joblib, scikit-learn, Beautiful Soup, OpenAI, Ollama, Gemini