

# Muhammad Hashir

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## EDUCATION

### Saint Louis University

Bachelor's in Computer Science

St. Louis, Missouri

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

Headstarter

May 2025 - August 2025

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

Geez Creationz

May 2023 - August 2023

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 | *Python, pandas, numpy* | [Automax AI](#) | [GitHub](#)

June 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, **reducing** property appraisal turnaround time from **5** days to **2** hours

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

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 **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](#)

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 bugs to enable deployment
- **Integrated** Whisper API with custom audio processing, **cutting** latency by **60%**

### Scrapefy | *Python, Langchain, Selenium, Streamlit, BeautifulSoup* | [GitHub](#)

September 2024

- **Built** Scrapefy to automate custom data extraction, **cutting** research time by around **80%**
- **Integrated** Ollama LLM to transform raw HTML into structured outputs using natural language prompts
- **Scraped** niche e-commerce data and **generated** over **\$1500** in personal revenue through reselling

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

February 2023

- **Implemented** OAuth 2.0, RESTful APIs, and Web Playback SDK across **500+** lines of production code
- **Built** authentication, token management, and data services using Next.js API routes
- **Created** reusable React components with custom hooks, animations, and responsive layouts

## 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, matplotlib, seaborn, Beautiful Soup