

Sahir Hameed

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EDUCATION

University of Texas at Austin

Bachelor of Science in Computer Science, Minor in Business

Austin, TX

May 2026

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Ruby, Swift

Frameworks: React, Node.js, Next.js, SpringBoot, OpenAPI

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

EXPERIENCE

Medex Surgical, Fort Worth, TX | IT Intern

May 2024 – Present

- Developed a sophisticated inventory management system, leveraging VBA and Javascript automation techniques to enhance data accuracy and streamline operational workflows.
- Created clear and detailed technical documents and user manuals, ensuring smooth adoption and effective use of the new system.

iCode, Southlake, TX | Teacher Assistant

May 2024 – August 2024

- Promoted STEM education to 20+ students by teaching Java, Python, and HTML while effectively communicating complex technical concepts to individuals with varying skill levels.
- Resolved a critical issue with the curriculum by quickly troubleshooting and adapting lesson plans, ensuring minimal disruption and allowing classes to continue smoothly.

Autonomous Robotics Laboratory, Austin, TX | Research Fellow

December 2023 – Present

- Coordinated group tasks and worked alongside five students on writing code using GPT-4, Python, and C++ that enables robots to guide humans to designated nodes, eliminating the need for hard-coded directions.
- Gained hands-on experience with test equipment and applied troubleshooting skills to resolve technical issues, ensuring the reliability of the robotic system.

PROJECTS

Web Page Summarizer | JavaScript, OpenAI API | [View Code](#)

August 2024

- Developed a Chrome extension that utilizes OpenAI's GPT-3.5-turbo to provide concise summaries of web pages, aimed at enhancing user productivity and information digestion.
- Implemented a user-friendly interface for inputting OpenAI API keys and viewing past summaries, laying the foundation for future enhancements and user feedback integration.
- Structured the project with modularity in mind, allowing for easy updates and potential scaling as user adoption grows.

Pantry Management System | Next.js, JavaScript, Firebase, LLaMA | [View Code](#)

July 2024 – August 2024

- Built a full-stack pantry app with Next.js and Firebase, allowing users to manage inventory with real-time updates and secure authentication.
- Integrated LLaMA AI for smart recipe suggestions based on pantry contents, enhancing user experience with personalized recommendations.
- Designed a responsive UI for seamless interaction, leveraging JavaScript for dynamic functionality and Firebase for data synchronization.

Recycle Detection Software | Python (YOLO-8), OpenAI (GPT-4) | [View Code](#)

March 2023 – April 2023

- Developed a recycling detection algorithm by integrating YOLO-8, OpenCV, and GPT-4 to determine what materials are recyclable alongside a team with three peers.
- Directed system testing using Azure Kinect Video Stream, validating the successful real-time object classification and achieving 78% detection accuracy.
- Organized weekly project milestones and deadlines, keeping the team on schedule and promoting effective collaboration.

LEADERSHIP AND EXTRACURRICULARS

Ismaili Muslim Students Association (IMSA)

Austin, Texas

Former Vice President, Internal Subcommittee (September 2022 – May 2023)

September 2022 – Present

- Directed community engagement initiatives for over 150 student members, boosting event attendance and participation.
- Organized 15+ bi-weekly meetings to foster a dynamic and active community.