

Shashank Raghuraj

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EDUCATION

The Ohio State University, Bachelors in Computer Science and Engineering, Dean's List

August 2022 – May 2025

Relevant Coursework: Algorithms & Data Structures, Foundations of Software Engineering, Software Development and Design, Digital Logic

SKILLS SUMMARY

- **Languages:** Java, Python, C#, C++, RESTful API, SQL, XML, JSON, Power Automate, KQL
- **Frameworks/Tools:** GitHub, Visual Studio, Eclipse, Raspberry Pi, Azure DevOps, Word, Excel, PowerPoint,
- **Interests:** Hackathons, Chess, Basketball, Music, Movies and TV Shows, Scriptwriting

EXPERIENCE

- **Digital and IT Intern, Parker Hannifin** May 2023 – August 2023
 - Acquired in-depth knowledge in Agile methodologies, emphasizing collaboration and user-centric product development for rapid market delivery.
 - Developed a comprehensive presentation defining product vision and roadmaps using Figma outlining strategies to double the customer base of Parker Tracking System.
 - Monitored and optimized Key Performance Indicators by utilizing web scraping techniques, specifically focusing on data from Parker's website to improve customer experiences and guided research.
 - Enhanced OpenAI ChatBot performance by doubling ticket resolution speed through data-driven analysis of Parker's website click-through rates.
- **High School Senior Project, Hopscotch Technologies** April 2022 – May 2022
 - Conducted extensive analysis and tracking of user data from the high-impact "Projects of the Week" initiative across diverse community channels at Hopscotch.
 - Leveraged advanced analytical techniques to identify key patterns and trends, providing actionable insights to drive user engagement, and achieving a 50% reduction in time.
 - Presented comprehensive data reports to senior management during weekly team meetings, demonstrating strong communication and data storytelling skills.
- **AI/ML Researcher, University of Texas at Dallas** June 2021 – August 2021
 - Researched different types of chatbots and evaluated its real-world use cases in various industries.
 - Prototyped a feasibility assessment for the ideal programming language for each chatbot application.
- **Research Intern, Cloudmatic** June 2021 – August 2021
 - Gained familiarity with different types of cloud providers (AWS, Azure, Google Cloud) and further enhanced my understanding on various cloud hosting models like Private, Public and Hybrid.
 - Actively researched RESTful APIs and Web Service calls.

ACADEMIC PROJECTS

- **Robotic Hand, 2022**
 - Built a robotic hand using Python and Raspberry Pi that simulates seamless item manipulation and object placement.
 - Also integrated with the Wii remote for the robotic hand connection and control.
- **Politician Chatbot, 2022**
 - Designed and developed software that imitates a politician using GPT3 and Natural Language Processing (NLP).
- **Wordle Robot, , 2022**
 - Created robotic software that would play the game Wordle, but punish you if you mess up the letters.
 - Learned about creating efficient algorithms that can solve complex problems.
- **Self-Driving Car, 2020**
 - Built a self-driving car using Arduino that can detect traffic signs, humans, and color lights using Artificial Intelligence techniques.
 - Designed a custom Artificial Intelligence model that can simulate detection using Visual AI.
- **Physician, 2020**
 - Designed and developed an AI application to detect Tuberculosis in patient's x-rays using C#, SQL, data visualization, feature engineering and data cleaning using real-world datasets.
 - Created a Windows Forms based application utilizing Convolutional Neural Networks (CNN) for highest detection accuracy.

AWARDS AND RECOGNITION

- Placed 4th at HackOhio, Ohio State Hackathon, 2022
- Placed 2nd at the Hyland Software Hackathon, 2022
- Student guest speaker at Ohio Tech Day, a statewide celebration of technology in Ohio, 2021
- Placed 1st at the Northeast Ohio Science Fair in the Mathematics/Computer Science category, 2021
- Recognized by Progressive Insurance, a fortune 500 company for creating a Weather Chatbot, 2021
- Placed 2nd at the Hacks Academy Hackathon, 2020
- Initiated and conducted a global Hackathon for high school students, OHacksIO, 2020