

# Shashank Raghuraj

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<https://github.com/ShashankRaghuraj>

## EDUCATION

**The Ohio State University** Computer Science and Engineering. August 2022 – May 2025

## SKILLS SUMMARY

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

## EXPERIENCE

- **Digital and IT Intern, Parker Hannifin,** May 15<sup>th</sup> – August 1<sup>st</sup>, 2023
  - Acquired in-depth knowledge of Azure DevOps and Agile methodologies through active learning and hands-on experience
  - Developed a comprehensive presentation outlining strategies to double the customer base of PTS, incorporating cutting-edge technology to drive its implementation.
  - Developed key data analytical skills by utilizing web scraping techniques, specifically focusing on data analysis from the Parker Website
  - Analyzed click-through rates from Parker's website and contributed to the development of an OpenAI Chatbot with the ability to resolve tickets at double the original speed.
- **High School Senior Project at Hopscotch (funded by Shark Tank), NJ, 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 retention
  - Presented comprehensive data reports to senior management during weekly team meetings, demonstrating strong communication and data storytelling skills
- **University of Texas at Dallas, 2-month internship in Dept. of Computer Science, 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.
- **Cloudmatic, month-long Computer Science internship under the Chief Technical Officer, 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 models.
  - Learned and researched RESTful APIs and Webservice calls.

## Side PROJECTS

- **Robotic Hand** (<https://github.com/ShashankRaghuraj/RoboticHand>), 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** (<https://github.com/ShashankRaghuraj/PoliticianChatbot>), 2022
  - Designed and developed software that imitates a politician using GPT3 and Natural Language Processing (NLP).
- **Wordle Robot**, (<https://github.com/ShashankRaghuraj/WordleButPain>) 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** (<https://github.com/ShashankRaghuraj/SelfDrivingCar>), 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** (<https://github.com/ShashankRaghuraj/Physician>), 2020
  - Designed and developed an application to detect Tuberculosis in patient's X-ray's 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 4<sup>th</sup> overall at HackOhio, Ohio States Hackathon, 2022
- Placed 2<sup>nd</sup> at the Hyland Software Hackathon, 2022
- Student guest speaker at Ohio Tech Day, a statewide celebration of technology in Ohio, 9/24/2021
- Placed 1<sup>st</sup> 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 2<sup>nd</sup> at the Hacks Academy Hackathon, 2020
- Initiated and conducted a global Hackathon for high school students, OHacksIO, 2020