

# Rishab Anand

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## SKILLS

**Languages** Python | C++ | JavaScript | SQL(MySQL) | HTML5 | CSS(SASS/SCSS) | PHP

**Technologies** Git | GitHub | VS Code | PyCharm | Figma | SDLC(Agile & Waterfall) | NumPy | Bootstrap | REST

## EXPERIENCE

### Artificial Intelligence Software Engineer

Remote, Florida USA

Walker Industries

Mar 2024 - Present

- Engineered XRUIOS, an extended reality shell OS which interacts with a custom AI through C# scripting
- Developing an AI training system for structured data input and ingestion into large language models, improving artificial intelligence response accuracy by at least **15%** relative to the input
- Led the integration of RVC models into an easily portable build for integration within an LLM leading to an **80%** increase in API execution speed and reduced RVC voice buffer latency by **99.8%**, from **3s to 10ms**

### Frontend Developer

Toronto, ON

Site4U

Feb 2024 - Present

- Led **6+ members** in a cross functional team to design and develop responsive websites for startups, while engaging in server side tasks to ensure functionality and user experience
- Migrated a CSS code base to Tailwind through website wireframing, ensuring a smooth transition of utility classes
- Automated a **CI/CD** pipeline using GitHub actions & Firebase, resulting in a **30%** decrease in deployment time

### Firmware Developer

Waterloo, ON

Electrium Mobility

Sept 2023 - Dec 2023

- Engineered input handling using ESP32 platform for E-Bike's Bluetooth connectivity achieving **<45ms** latency
- Collaborated closely with cross-functional teams to address design challenges and achieve seamless integration of hardware and software components, resulting in a **20%** decrease in maintenance and troubleshooting time

### Hardware Software Technician

Brampton, ON

TTEC Computers & INC.

May 2023 - Aug 2023

- Troubleshoot and resolved a wide range of computer issues such as BIOS related problems & software conflicts
- Documented and maintained detailed records using the connectwise software for **500+** customer interactions

## PROJECTS

### TrainGPT

Python, Beautiful Soup, Transformers

- Created a Python script utilizing Beautiful Soup to engage with website data and HTML code segments, effectively segregating content into textual and visual elements for a custom designed **ChatML** format
- Performed **tokenization** on the collected structured data using Transformers library, breaking down the scraped information into fragments comprehensible to Large Language Models (LLMs)

### LocaLink - NSBE Hacks

Python, Django, HTML/CSS, REST

- Built **Django REST API & Flask/JS** frontend replicating a community event platform by leveraging web scraping
- Utilized docker for containerization and git for version control, ensuring efficient deployment and scalability

### ShooterPlus

Python, PyGame

- Built a dynamic shooter game using Pygame which implemented player controls and collision detection
- Leveraged OOP concepts to manage game components including obstacle spawning and bullet interactions

### Personal Website

HTML, CSS(Bootstrap), JavaScript, Git

- Developed and designed a responsive personal website using HTML, CSS(Bootstrap), and JavaScript
- Employed Git throughout different project development phases for effective version management

## CERTIFICATIONS

- AZ-900** (Azure Fundamentals) & **AI-900** (Azure AI Fundamentals)

## EDUCATION

University of Waterloo

Waterloo, ON

Computer Engineering Undergraduate

Sep 2023 - Apr 2028