

ISHIKA SONI

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EXPERIENCE

Microsoft | Redmond, WA

May 2022 – Aug 2022

Software Engineering Intern

- Developed a chatbot using existing BEAM machine learning service
- Created Azure function app to drop messages onto service bus topic for BEAM service to process, and listen on service bus topic for completed messages
- Implemented approach for calling/returning requests to/from function app
- Determined reply category mappings with BEAM responses and return category
- Measured response times and accuracies for BEAM to ensure optimal chat experience
- Deployed solution to Azure and integrated with the chatbot UI to call BEAM for getting intent/context of response and redirecting to appropriate resource

Major League Hacking | Remote

Jun 2021 – Aug 2021

Production Engineering Fellow

- Developed a blog web application using Python, Flask and PostgreSQL
- Deployed and maintained a web application using Nginx as a reverse proxy in an EC2 instance through Amazon Web Services
- Containerized application deployment using Docker and Docker Compose
- Implemented a CI/CD pipeline using Github Actions

PROJECTS

Blossom | echoAR, HTML/CSS, BestTime API

Feb 2021

- Retrieved and assisted integrating 3D models using echoAR to let users see food in augmented reality to encourage a visit to the small business
- Worked on the internal web pages by adding small businesses for our users to explore using HTML/CSS
- Assisted with the BestTime API integration to get information on the peak hours of the small businesses on our website

CreatePoetry | Python, IDLE

Nov 2020

- Used the language analysis and selection tools such as the NLTK library package to try to mimic human construction of poems
- Required the random generation of words as well as the use of algorithms to analyze the structure of those words to detect and use features such as rhymes and syllables

EDUCATION

City University of New York, Hunter College | B.A. in Computer Science, Minor in Math

Expected May 2024

SKILLS

Programming Languages: Java, Python, C++, C#, HTML/CSS

Software: Figma, Unity, Blender, MS Word, MS Powerpoint, MS Excel, Git, Flask

Platforms: Docker, Amazon Web Services, Azure, Azure DevOps, Azure Functions, Azure Cosmos DB