Sai Skanda A

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Summary

An aspiring engineer with a keen interest in Machine Learning and Devops.Eager to apply academic knowledge on hands on projects to experience real-world challenges while continuously growing and learning

Education

Jyothy Institute of Technology *2022-present*
BTech in Information Science
- GPA: 7.5

SBM Jain College *2020-2022*
Pre-University
- Percentage: 65

Acharya Pathasala Public School *2019-2020*
10th
- Percentage: 79

Projects

Knowledge based Chatbot ↗
- This project uses Streamlit and Python to create a straightforward yet effective chatbot application. The objective was to develop an AI assistant with a responsive web interface that users could interact with. Streamlit made it simple to swiftly implement the chatbot and adapt it to various use cases.
- The chatbot demonstrates how conversational agents can be implemented with little setup and is lightweight and user-friendly for beginners.
- Tools Used: Python

Mitotic Cell Segmentation using Deep Learning ↗
- In order to automatically identify and segment mitotic cells from histopathological images , I worked on this project using deep learning models such as U-Net , U-Net++ and YOLO.
- Using Google Colab (which supports GPUs) and Jupyter Notebook, I trained and evaluated the models on mitosis datasets, experimenting with various architectures and data augmentation methods to increase segmentation accuracy. Reducing manual labor was the main goal in order to facilitate faster and more accurate cancer diagnosis.
- Tools Used: Python, PyTorch,NumPy, Matplotlib for preprocessing, training, and visualization.

Technologies

Languages: C,Python,C++

Database: SQL,MongoDB

Developer tools: PyTorch , Numpy , Pandas, Github, Cohere , Langchain , FastApi

Co-curricular

Coordinator for BitsNBytes Club , JIT
- Co-ordinated in a 24 hour gaming event that involved communicating with many teams ,organizing performances