Mutyala Devi Sri Harsha

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WORK EXPERIENCE

Python Intern Nov 2023 - May 2024

| Vijayawada

- Developed and deployed machine learning models for dementia prediction using Python and AI frameworks, demonstrating practical applications of machine learning techniques.
- Collaborated in a team of three to design and implement scalable algorithms for data analysis and predictive modeling.
- Conducted data preprocessing and feature engineering to improve the accuracy and performance of machine learning models.
- Utilized Python libraries such as Pandas, NumPy, and Scikit-learn to perform data analysis and visualization.
- Conducted thorough testing and validation of machine learning models to ensure robustness and reliability.
- Actively participated in code reviews and contributed to improving code quality and best practices within the team.
- Prepared comprehensive documentation and presentations to communicate project progress and results to stakeholders.

PROJECTS

Dementia Prediction View in GitHub

- Developed a machine learning-based application for early dementia prediction, enabling timely intervention and improved patient outcomes.
- Designed an incremental data processing mechanism to ensure efficient handling of patient records without redundant computations.
- Led a collaborative effort with developers and healthcare professionals to drive continuous improvement of the application.
- Contributed to raising awareness of dementia prediction tools by fostering a community of contributors and supporters.

AutoBot Code Compiler View in GitHub

- Developed an AI-powered AutoBot Code Compiler to automatically generate code for user prompts and perform compilation, similar to GPT.
- Implemented a CICD pipeline using GitHub Actions to ensure seamless integration and continuous deployment of the code generated by the AutoBot.

- Integrated code optimization techniques to enhance performance and reduce compile-time errors.
- Designed an intuitive user interface to allow users to input prompts and receive compiled code effortlessly.

Hand Gestures Recognition

View in GitHub

- Currently developing a Python project to recognize and interpret hand gestures using computer vision and machine learning techniques.
- Implementing gesture detection algorithms to accurately identify various hand movements and positions.
- Utilizing libraries such as OpenCV and MediaPipe for image processing and hand tracking.
- Training machine learning models to improve gesture recognition accuracy and performance.
- Designing a user-friendly interface to visualize detected gestures in real-time.

CERTIFICATIONS

Python-With Ai

Programming in Essentials C

Prompt Engineering

UiPath - Automation Explorer

Cybersecurity

Links

EDUCATION

Bachelor of Technology (B.Tech.) - *Computer Science(AIML)* Sep 2024 - present
VR Siddhartha Engineering College (Vijayawada)

CPI -8.95

Diploma (Polytechnic) -*Computer Engineering* Nov 2021 - Jun 2024
A.A.N.M & V.V.R.S.R Polytechnic College,Gudlavalleru(Vijayawada)
CPI -95.14

SKILLS

C | Python | Java | C++ | HTML | CSS | OS | Networks | Computer Fundamentals | Monitoring | Project Management | Communication | Leadership | Time Management | Adaptability | Problem Solving | Teamwork | Creativity | Machine Learning