GOWTHAM SANTHANAM

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Aspiring AI developer with foundational skills in machine learning and GANs, along with experience in web development, data analysis, and Python. Enjoys football, video editing, and has a passion for creating innovative tech products and aims to apply knowledge to impactful, real-world applications in AI.

Experience

June 2024 - July 2024

Intern SmartBridge Pvt Ltd
Software Developer
Designed and developed a comprehensive e-commerce shipping prediction platform

Education

September 2022 - Present

B-tech in CSE VIT-Chennai
3rd year student GPA - 9.28

October 2008 - May 2021

Intermediate Education
Velammal Vidhayshram
10th - 96.8% 12th - 96.4%

Skills

- Python (TensorFLow)
- Flutter (Dart)
- UI/UX (Figma)
- Web developement
- Prompt Engineering
- JAVA
- C/C++

Projects

Voice-driven Automation Builder

Created a website that performs process workflow diagram on voice input using webkit speech recognition from the website and builds personalized automation workflow for the specified task.

E-Commerce-Shipping-Prediction-using-ML

Developed a robust predictive model to forecast on-time e-commerce shipment deliveries using historical shipment data. Built and optimized a full-stack web application, creating a user-friendly front-end and a scalable back-end infrastructure to support the prediction model.

Research Projects

A Comparative Study of Wasserstein and Unrolled GANs for Mode Collapse in Generative Adversarial Networks (GANs)

a comparative analysis of WGAN and Unrolled GAN to determine their effectiveness and appropriateness under specific circumstances, contributing valuable insights into mitigating mode collapse in GANs, particularly in the context of image processing tasks.

Design and Development of Flood Fill Algorithm for Maze Solving involved in Micromouse Competition

Developed a flood-fill algorithm to map and solve mazes by finding the shortest path between start and end points. Implemented a queue-based approach to improve efficiency and prevent stack overflow issues common in recursive methods