PULAKUNTA SAI JYOTHI

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LinkedIn Profile

OBJECTIVE

To apply my skills in software development, machine learning, and cybersecurity to solve real-world, large-scale problems in e-commerce and logistics as part of Flipkart Grid 7.0. I aim to contribute innovative and scalable solutions while learning from real-time challenges faced by industry leaders.

EDUCATION

Bachelor of Technology(B.Tech) in Computer Science and Engineering

(2022-2026)
Rajiv Gandhi University of knowledge Technologies, Srikakulam
Aggregate – 90%

Intermediate (MPC – Mathematics, Physics, Chemistry)(2020-2022)

Rajiv Gandhi University of knowledge Technologies, Srikakulam
Aggregate – 90%

Secondary School Certificate(SSC)(2019-2020)

Sri Sai Vidyaniketan School, Puttaparthi - Anantapur
Aggregate – 100%

PROJECTS

Enchanted Wings : Butterfly Species Classification

- Tech Stack: Python, TensorFlow, Keras, CNN, OpenCV, Streamlit
- Built a deep learning model using CNN to classify butterfly species based on image data with high accuracy.
- Utilized TensorFlow and Keras to train and evaluate the model on a diverse butterfly image dataset.
- Applied image preprocessing and augmentation techniques using OpenCV to improve model generalization.
- Developed an interactive Streamlit-based web app for real-time butterfly image classification.
- Focused on automating biodiversity research and supporting entomological studies through AI.
- Implemented model evaluation metrics like accuracy, loss curves, and confusion matrix for performance analysis.

Privacy and Security of Chatbots(LLM’s) using Guardrails AI

- Tools: Python, Streamlit, Guardrails AI, LLaMA 3, AdvGAN, Evidently AI
- Built a secure chatbot using Streamlit and LLaMA 3 model via Ollama.
- Used Guardrails AI to control chatbot responses and block unsafe prompts.
- Added filters to detect and block harmful or malicious user input.
- Evaluated chatbot behavior using Evidently AI to check for safety and accuracy.
- Focused on making chatbots safer and more private for users.

TECHNICAL SKILLS

- **Frontend:** HTML, CSS, Javascript, React.js
- **Programming:** Python, C, Java, Machine Learning
- **Databases:** MySQL
- **Operating Systems:** Linux, Windows
- **Version Control & Collaboration:** Git , GitHub
- **Tools :** Google Cloud Platform, Vscode

CERTIFICATIONS

- **Machine Learning for cybersecurity :**

  Institution : CDAC Hyderabad

  Completion Date : March 2025, View Certificate
- **Google cloud platform Basics :**

  Institution : Pragyashal

  Completion : April 2025