

PULAKUNTA SAI JYOTHI

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OBJECTIVE

Motivated and detail-oriented B.Tech student with a strong foundation in Python, SQL, and web technologies. Eager to apply programming skills and academic project experience to contribute to the development of scalable software solutions. Looking forward to working in a collaborative environment to build innovative applications using Python, Java and AI-driven technologies while continuously learning and growing.

EDUCATION

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| Bachelor of Technology(B.Tech) in Computer Science and Engineering | 2022-2026 |
| Rajiv Gandhi University of knowledge Technologies, Srikakulam, Aggregate – 85% | |
| Intermediate (MPC – Mathematics, Physics, Chemistry) | 2020-2022 |
| Rajiv Gandhi University of knowledge Technologies, Srikakulam, Aggregate – 85% | |
| 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.
- Utilized TensorFlow and Keras to train and evaluate the model on a diverse butterfly image dataset.
- Applied image preprocessing and augmentation techniques using OpenCV.
- Developed an interactive Streamlit-based web app for real-time butterfly image classification.
- Focused on automating biodiversity research and supporting entomological studies through AI.

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

- Tools: Python, Streamlit, Guardrails AI, LLaMA 3
- 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.
- Focused on making chatbots safer and more private for users.

EXPERIENCE

TechOptima Pvt Ltd – AI/ML intern

Duration: May 2025 – July 2025

- Built a secure chatbot using LLaMA 3 and Guardrails AI to block harmful or unsafe prompts.
- Used adversarial testing (AdvGAN) to check chatbot safety against fake or tricky inputs.
- Added input/output filters to improve privacy and prevent prompt injection attacks.
- Used Evidently AI to monitor and evaluate chatbot performance.
- Worked with the team to make the chatbot more reliable and secure.

TECHNICAL SKILLS

Frontend: HTML, CSS, Javascript, React.js(Basics)

Programming: Python, Java, Machine Learning, DSA

Databases: MySQL

Operating Systems: Linux, Windows

Version Control & Collaboration: Git , GitHub

CERTIFICATIONS

Machine Learning for cybersecurity , CDAC Hyderabad

Deep Learning , IIT Ropar