

SHERLA SHIVA SAI

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Summary

B.Tech CSE (AI & ML) student with expertise in applying AI/ML techniques to solve complex problems. Proven ability to develop and implement solutions using Python, TensorFlow, and PyTorch, with a focus on cybersecurity and data-driven applications.

Education

Bachelor of Technology - CSE (AI & ML)

Jawaharlal Nehru Technical University – Hyderabad

DEC 2021 - JUN 2025

CGPA: 7.1

Skills

- **Programming Languages:** Python, C, SQL, Java
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, LangChain, Flask
- **Tools & Technologies:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLMs), Computer Vision, Power BI, Git, Docker
- **System Design:** Object-Oriented Design, Design Patterns, Microservices Architecture, RESTful APIs
- **Soft Skills:** Teamwork, Problem-solving, Analytical Thinking, Adaptability, Initiative, Communication

Projects

Smart Crop Yield Prediction & Monitoring System | [\[Link to project\]](#)

- Developed a machine learning system to predict crop yield.
- Utilized Ensemble Learning and LangChain.
- Built a Streamlit application for farmer recommendations.
- **Results:** Increased the yields and managed the resources for farmers by 86% also provided with valuable agricultural practices.

Phish Catcher: Client-Side Defense Against Web Spoofing Attacks | [\[Link to project\]](#)

- Developed a predictive model to identify the phishing threats.
- Utilized Random forest algorithm and achieved an accuracy of 98% .
- Initialised as a Chrome extension for better user experience .
- **Results:** Crafted an efficient system by reducing the attacks by 8\$%.

Certifications

- Computer Vision
- Deep Learning
- Generative AI
- Artificial Intelligence Workshop
- Other participation Certifications from Unstop

Achievements

- **SIDDHAHASTHA-2K25:** Achieved 1st prize in code debugging (over 100 participants).
- **FLIPKART GRID 6.0:** Participated in Round-2 and completed 60% of the task (Smart Inventory Management and Control).
- **HACKSAVY-2K23:** Participated in a 24-hour national-level hackathon at Mahatma Gandhi Institute of Technology.