DASARI RENUKA

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EDUCATION

Malla Reddy College Of Engineering   Nov 2022 - Present
Bachelor of Technology - Computer Science   *Hyderabad, Telangana*

- **CGPA(till 6th Sem):** 9.04 / 10
- **Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems, Machine Learning, Artificial Intelligence

EXPERIENCE

Swecha Telangana   May 2025 - June 2025
AI Developer Intern   *Hyderabad, Telangana*

- Designed and developed **scalable software components** for **real-time AI applications**, contributing to the development of a **Telugu Large Language Model (LLM)** aimed at advancing **regional language technology** and **open-source innovation.**
- Built and maintained enterprise-level **data preprocessing pipelines** using **Python** and **Natural Language Processing (NLP)** techniques to clean, normalize, and curate large-scale Telugu text datasets for efficient **model training and evaluation.**
- Implemented **application logic** and **data workflows** to support **LLM development**, ensuring **reliability**, **performance**, and **seamless integration** with downstream AI components.
- Collaborated closely with **cross-functional teams**, including developers and researchers, to identify technical issues, **debug system components**, and enhance overall **application performance and stability.**
- Followed structured **software development workflows**, **version control practices**, and **quality standards** to deliver maintainable, well-documented, and **production-ready code** in an **agile environment**.

PROJECTS

Detection of Fake Bank Currency | *Python, Machine Learning*   July 2024

- Developed and compared **machine learning models (Logistic Regression, Random Forest, and SVM)** for counterfeit bank currency detection using Python and Scikit-learn.
- Built an end-to-end ML pipeline including **data preprocessing**, **feature engineering**, **model training**, and **evaluation**.
- Achieved high accuracy and reliable fraud detection through **performance analysis** using metrics such as **precision**, **recall**, and **F1-score**.

Detection of Stroke Disease | *Python, Machine Learning*   April 2025

- Developed machine learning models to **predict stroke risk** using medical datasets through effective **data preprocessing** and **feature selection.**
- Implemented and evaluated models using **Python and Scikit-learn**, measuring performance with accuracy, precision, recall, and F1-score.
- Improved early disease prediction by applying **data-driven insights** to support clinical **decision-making.**

TECHNICAL SKILLS

Languages: C, Python, HTML, CSS, JavaScript, SQL
Developer Tools: VS Code, Github, Jupyter Notebook
Areas of Interest: DSA, Machine Learning, Artificial Intelligence, Deep Learning, NLP

CERTIFICATIONS

- Deloitte Technology Job Simulation – Forage
- Natural Language Processing – Infosys Springboard
- AI Skills Passport – EY and Microsoft

LEADERSHIP / EXTRACURRICULAR

National Service Scheme (NSS)   2022 – Present
Volunteer   *MRCE*

- Actively participated in community service and social outreach programs, contributing to initiatives focused on education, health awareness, and environmental sustainability.
- Collaborated with team members to plan and execute volunteer activities, demonstrating **leadership, teamwork**, and **strong organizational skills.**
- Supported awareness campaigns and events that promoted social responsibility, civic engagement, and community development.