Chimata Poojitha

CS Undergraduate

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Aspiring software and data professional with strong foundations in Python, SQL, machine learning, and cloud technologies, seeking an opportunity to contribute to application development, testing, documentation, and data-driven model building. Eager to apply analytical, problem-solving, and communication skills to deliver scalable technology solutions aligned with business requirements.

Websites, Portfolios, Profiles

- LinkedIn: www.linkedin.com/in/poojitha-chimata
- GitHub: https://github.com/221FA04356

Skills

Technical Skills

- Languages – Python, Java, C, HTML, CSS, MS Excel, Data analysis
- Database – SQL, MongoDB
- Cloud Tech Stack– AWS
- DEV Tools – GitHub, VS Code, Git, Google Colab
- Frame Works – Pandas, NumPy

Behavioral Skills

- Good Communicator & Active Listener
- Teamwork and collaboration
- Decision making with right Attitude
- Proactive Approach to get things
- Calm under pressure
- Attention to Details on Deliverable
- Flexible and adaptable
- Willingness to learn and adapt to new tools and technologies.

Education

Expected in May 2026 — **Bachelor of Technology: Computer Science**
Vignan University - Guntur
- CGPA: 8.34

Mar 2022 — **Intermediate MPC**
Narayana Junior College - Guntur
- Percentage: 93.6%

Mar 2020 — **SSC**
Narayana English Medium School - Guntur
- Percentage : 95%

Projects

AI Based Emergency Response Agent:
Scope of project is to build an AI powered emergency responsive agent which helps the users in achieving immediate help in case of emergency situations.

- Tech Stack: Python, Lang chain + OpenAI API, Real-time analysis, Automated response Process.
- Used Flask backend server with Twilio integration for SMS, email alerts.
- Created a Tkinter desktop alert system with safety timer system, to ensure liability and prevent false alerts.

Hybrid Based Food Image Classification:
Scope of the project is to design a hybrid model-based food image system which can classify varieties of food items.

- Applied image pre-processing and noise reduction techniques to improve robustness and performance.
- Applied Feature extraction techniques such as Color Histogram, HU moments, LBP, Contour Analysis, Canny Edge Detection.
- Evaluated against multiple models like CNN, SVM , Random Forest, visualized the results using Bar graphs and confusion matrix.
- Achieved accuracy of 88 percent using deep feature extraction.

Gender Based Image Detection:
Scope of the Project is to build a Facial Image recognition system using models like SVM, KNN, Logistic Regression and Random Forest.

- Focused on Image Analysis and applied Preprocessing techniques to overcome factors such as Poor Lighting, Rotational Angle Captures, Noise reduction.
- Applied Preprocessing techniques such as OpenCV, grayscale, resizing for image processing.
- Achieved Optimal results with SVM offering best balance of accuracy and precision.
- Evaluated models using classification metrics and cross-validation to ensure generalizability and reduce overfitting.

Certifications

Aug 2025 AWS – Certified Cloud Practitioner

May 2025 NPTEL – Public Speaking, Leadership & Team Effectiveness

Dec 2022 PET Certified from Cambridge University.

Achievements

- Event Engagement Coordinator at National Level Youth Festival – Vignan University
- Tech Hackathon Finalist – Vignan University
- Class Representative – Vignan University
- Awarded Merit Scholarship – Vignan University