VISHNUVARDHAN KOMAKULA

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PROFESSIONAL SUMMARY

Ambitious **B.Tech CSE(AIML)** student at **Malla Reddy Institute of Engineering and Technology** Hyderabad, with strong programming in **Python,SQL,Basic DSA with Python,OOPS and C**. Passionate about **AI & ML**,Eager to contribute to impactful projects and gain real-world experience.

EDUCATION

BTECH **Malla Reddy Institute of Engineering and Technology Hyderabad**, CSE (AI-ML)   Nov 2022 – May 2026

- **CGPA:** 8.83
- **Coursework:**Learning Core concepts in CSE, Critical Thinking, Problem Solving skills, Exposure to teamwork and project-based learning.

KEY SKILLS

Languages: Python, Basics of C, SQL   **Database:** SQLite
Other Skills: Basic DSA with Python, OOPS, AI,   **Technologies:** VS Code, Anaconda, Jupyter
Machine Learning, Data Science   Notebook, Python IDLE, MS Office

EXPERIENCE

CODSOFT: Feb 2025 – Feb 2025 Link

- I worked as an **intern** in the **Data Science** domain. I have perform **Movie Rating, Sales & Credit Card Approval Predictions** by using ML models **Random Forest, Linear Regression** for rating, sales, and approval forecasting with Python and Scikit-learn and data visualization.

INTERNPE: Jun 2025 – July 2025 Link

- I worked as an **intern** in the **AI & ML** domain. I have done projects in **Car Price Prediction and IPL Winner Prediction**. Experienced in data preprocessing, modeling, and deploying ML apps with Streamlit.

PROJECTS

MODELING AND PREDICTING CYBER HACKING BREACHES: Jan 2025 – Apr 2023 Link

- This project focuses on **predicting cyber hacking breaches** using **statistical and ML models**. It analyzes cyber incidents **datasets (2005–2017)** to detect trends, model breaches and sizes between arrivals and implement predictive analytics to forecast future threats.
- **Techniques:** Stochastic Modeling, ARMA-GARCH, Copula Analysis

MULTI CLASS STRESS DETECTION THROUGH HRV: Jun 2024 – Aug 2024 Link

- Developed a **1D CNN model** in Python for stress classification using HRV data (SWELL-KW dataset). Achieved **99.9% accuracy** with optimized feature selection **(ANOVA F-test)**.
- **ML / AI:** Deep Learning (CNN, MLP), Feature Selection, Data Preprocessing

HACKTHONS & WORKSHOPS

Link

HACKTHON: The **AWS** organized by Malla Reddy Institute of Engineering and Technology in association with **TECHSIGH Solutions Pvt. Ltd from April 02 to 04, 2024**.

WORKSHOP: The **GENERATIVE AI & AI AGENTS** Organized by Malla Reddy Institute of Engineering and Technology in association with **10000Coders on Aug 07, 2025**.