KARTHIKA PAMIDIMARRI

A passionate AI & ML student, eager to explore emerging technologies, currently pursuing a bachelor's in Artificial Intelligence and Machine Learning at Gokaraju Rangaraju Institute of Engineering and Technology

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EDUCATION:

Pursuing 4th year in CSE-AIML at GRIET, Hyderabad
CGPA: 9.24
Intermediate Education (Board of Secondary Education)
2020 – 2022 - Scored: 98%
CBSE – CENTRAL BOARD OF SECONDARY EDUCATION
2020 - Scored: 95%

ACTIVITIES:

- Led App development group in Google Developer Student Club of GRIET
- Participated in various webinars and workshops related to Full Stack development and Artificial Intelligence
- Actively participated in Leetcode(1700 Rating), Codeforces & Hackerrank contests.

TECHNICAL SKILLS:

- **Programming Languages:** C, Java, Python
- **Data Analytics and Visualization:** Pandas, Numpy, MatplotLib, Excel, Power BI
- **Web & Application Development:** HTML, CSS, Javascript, React.js, Node.js, Android Studio, Firebase, Chart.js
- **Databases:** MySQL, MongoDB
- **Machine Learning & AI:** Supervised and Unsupervised Learning, Regression, Clustering, Classification, Neural networks, Sci-kit learn, Time series analysis
- **Big data tools:** Apache Spark, Hive, Pig,Flume, Hbase, Sqoop

MINI PROJECTS:

- **FraudFence (React.js, Flask API) (Link)**
  Developed and designed an intelligent threat analysis system for categorizing links and messages as malicious or genuine. Applied an XGBoost classifier for detecting phishing URLs (85% accuracy), Naive Bayes with label encoding for message categorization (97% accuracy), and incorporated OCR (Tesseract) for extracting and scanning uploaded screenshots' text. Provided a modular design with smooth communication between frontend and backend for real-time threat analysis.

- **Agri Insight (Node.js, Firebase, HTML, CSS, Time Series Forecasting) (Link)**
  Created a web application for forecasting crop yields using Linear Regression and Pandas for modeling data. Incorporated time series analysis to forecast trends in crop production. Utilized Node.js for backend functionality, Firebase for real-time storage of data, and HTML/CSS for an interactive frontend interface optimized for farmers and agricultural investors.

- **Smart Home Application (Android Studio, Java) (Link)**
  Designed a mobile user interface for a smart home automation system using Android Studio, focusing on intuitive control of home appliances and seamless user experience for real-time operation.

- **Blood Bank Database System (MySQL)**
  Designed a relational database for blood bank management. It was designed with a suitable schema to accommodate the complex relations in hospital administration data like doctor_id, department, specialization etc.

- **Typing Test Project (Python) (Link)**
  Created a typing speed analysis game. A fun and interactive project, that was developed using Python, to test typing speed. It uses tkinter module and random module of Python to implement the speed analysis game.

COURSES AND CERTIFICATIONS:

Google:	**AWS:**	**CISCO:**
Google cloud computing foundations.	AWS Cloud foundations AWS Data Engineering	CCNA Cybersecurity, Python, C