AMULYA SHANIGARAPU

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EDUCATION

JNTUH UNIVERSITY COLLEGE OF ENGINEERING MANTHANI, KARIMNAGAR, IN   2020-2024
Bachelor of Technology | Computer Science (AI & ML) | GPA:7.9

SHIVANI JUNIOR COLLEGE, HANUMAKONDA, IN   2018-2020
Senior Secondary |Mathematics| GPA:9.5

TECHNICAL SKILLS

- **Languages and Tools**   : C, Python, SQL, Git, GitHub
- **Libraries & Frameworks**   : Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Flask
- **Data Science & Machine Learning** : Data gathering, Data cleaning, EDA, Feature engineering, Feature selection & Extraction, Supervised and Unsupervised learning algos.
- **Databases**   : MySQL
- **Soft Skills**   : Problem Solving, Good Communication, People Management

PROJECTS

MOBILE PRICE RANGE PREDICTION | LINK   October 2023 - November 2023
- Developed a model predicting the price range of mobiles (83% accuracy)
- Deployed the model to use using Streamlit.
- Users can analyze the price ranges of mobiles.
- **Tech Stack:** Python, Jupyter Notebook, Machine Learning Algorithms

EMOTION DETECTION Using CNN and FER-2013 Dataset | LINK   January 2024 - March 2024
- Addressed class imbalance in Dataset by Image Augmentation.
- Designed and iterated on custom CNN models, including advanced architectures such as ResNet50v2, VGG16 to optimize performance.
- Deployed the model for emotion Detection using Gradio.
- **Tech Stack:** Python, TensorFlow, Keras, ResNet50v2, VGG16, Gradio.

CERTIFICATIONS

- Data Science and Machine Learning Basic to Advanced - UDEMY.
- AI Essentials: Introduction to artificial Intelligence - UDEMY.
- Python For Data Science - IBM.

OTHER ACTIVITIES

Placement Coordinator, JNTUHUCEM   December 2020 – July 2024
- I've been the Placement Coordinator at JNTUHUCEM for past three years.

Hobbies and Interests:
- I love reading books.
- I enjoy cooking and trying out new recipes.
- I like playing badminton to stay fit and have fun.

DECLARATION

- I declare that everything in this resume is true and correct to the best of my knowledge.