KARRI PRANATHI

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Career Objective

Seeking an opportunity in the field of Information Technology where I can effectively apply my knowledge and technical skills, contribute meaningfully to organizational objectives, and be part of innovative projects. I aim to continuously enhance my expertise, adapt to emerging technologies, and grow in a dynamic work environment.

Education

B.Tech – Computer Science & Engineering (Data Science)
Vignan's Institute of Engineering for Women   2022 – 2026
CGPA: 7.78 (current)

Intermediate
Sri Chaitanya Junior College   2020 – 2022
Percentage: 83.2%

SSC
Saint Jude's English Medium High School   2019 – 2020
CGPA: 8.8

Skills

Programming Languages: C, Java, Python
Database: MySQL
Web Technologies: HTML, CSS
Tools & Frameworks: Flask, Scikit-learn, Pandas, Matplotlib, Flower, TensorFlow, PyTorch, Excel, PowerBI
Soft Skills: Problem Solving, Teamwork, Communication, Analytical Thinking

Internship

Data Science / Machine Learning Intern
Andhra Pradesh State Council of Higher Education (APSCHE)   Jun 2024 – Aug 2024

- Applied ML algorithms to analyze real-world educational data.

- Performed data preprocessing, feature engineering, and model evaluation for predictive insights.

- Generated reports and presented findings to supervisors, emphasizing data-driven recommendations.

Data Analytics Intern
HMIES SOLUTION PVT.LTD   Apr 2025 – Jun 2025

- Imported, cleaned, and validated large datasets to ensure data consistency and reliability.

- Built dashboards and visualizations (Matplotlib, Power BI) to communicate insights to stakeholders.

- Conducted exploratory data analysis (EDA) to identify trends and provide recommendations supporting business decisions.

Certifications

- Programming in Java — NPTEL (*Elite*), IIT Kharagpur

- Database Management System — NPTEL (*Elite*), IIT Kharagpur

- Python for Data Science — NPTEL, IIT Kharagpur

- Data Mining — NPTEL (*Elite*), IIT Kharagpur

Projects

Privacy Preserving Brain Tumor Detection Using Federated Learning

- Engineered a privacy-aware brain-tumor detection system using federated learning on MRI scans. Trained a CNN model across distributed clients with PyTorch Flower; deployed a Flask-based web app enabling real-time MRI upload prediction, ensuring compliance with data-privacy standards.

Fake News Detection Using Machine Learning

- Developed a machine learning model to detect and classify fake news articles using Python and Scikit-learn. Applied NLP techniques such as tokenization, TF-IDF, and stop-word removal for feature extraction, and trained models like Logistic Regression, Naïve Bayes, and SVM. Evaluated performance through accuracy and F1-score, and visualized results for better interpretability.

Participations

- Participated in seminars in college level

- Participated in various cultural activities

- Participated in a workshop on Power BI

- Participated in Ideathons and Hackathones