NANDHINI ANNE

[View My Data Science Portfolio](#)

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OBJECTIVE

Graduate student in Data Science with hands - on experience in data analysis, machine learning, and statistical modeling through academic projects. Seeking for Intern position to apply technical skills in Python, R, SQL, and data visualization tools. Strong analytical abilities with a passion for uncovering insights from data to drive decision - making.

EDUCATION

Dec 2023-Dec 2025	**Master's in Data Science**
	University of Arizona, Tucson-(4.0/4.0 CGPA)
	Relevant Coursework: Machine Learning, Statistical Modeling, Data Mining, Big Data Analytics, Database Systems, Data Visualization , Natural Language Processing, Data Structures and Algorithms, Neural Networks.
Aug 2019-May 2023	**Bachelor's in Electronics and Communication Engineering**
	CVR College of Engineering, Hyderabad-(9.31/10 CGPA)
	Relevant coursework: Digital Signal Processing, Probability and Statistics, Control Systems, Linear Algebra, Computer Programming (C/ Python) , Embedded Systems.

SKILLS

- Programming Languages : Python, R, SQL, Data Structures and Algorithms.
- AI & ML Frameworks**:** Scikit-learn, TensorFlow, OpenAI API, Hugging Face Transformers.
- NLP & Chatbot Tools: NLTK, SpaCy, VADER, Dialogflow
- Data Analysis & Visualization : Pandas, NumPy, Matplotlib, Seaborn, ggplot2, Tableau.
- Databases : MySQL, PostgreSQL.
- Big Data Tools : Hadoop.
- Tools : Jupyter Notebook, Excel , Power BI.
- Version Control : Git, GitHub.
- Soft Skills : Analytical thinking, Problem - solving, Communication, Teamwork.

PROJECTS

Fraud Detection Using Stacked Machine Learning Models

- Built an ensemble model for fraud detection using Random Forest, KNN, and XGBoost.
- Preprocessed data, handled imbalance with under - sampling, and normalized features.
- Evaluated model performance with precision, recall, and ROC - AUC.

Key Skills: Ensemble learning, Data preprocessing, Model evaluation, Imbalanced data handling .

Cricket Metrics: Live Match Dashboard Simulation

- Created a dynamic cricket dashboard with live updates using historical data and APIs.
- Analyzed scoring rates, player stats, partnerships, and team performance.
- Delivered insights via real-time simulations and visualizations.

Key Skills: Data visualization, API integration, Dashboard development, Data analysis. **Sentiment**

Analysis on Social Media Data

- Conducted sentiment analysis on Twitter data related to brand perception using Python and NLP techniques.
- Used the VADER sentiment analysis tool to categorize tweets and visualized the results using Matplotlib.

Key Skills: NLP, Sentiment analysis, Data visualization, Python.

AI-Powered Student Support ChatBot

- Developed a conversational chatbot using GPT-3.5 and OpenAI API to answer FAQs for university students.
- Trained with domain-specific prompts to respond to academic and campus-related queries.
- Implemented fallback mechanisms for ambiguous inputs and logged user interactions for feedback.

Key Skills: GPT-3.5, OpenAI API, Prompt engineering, Python, Flask

CERTIFICATIONS

- Data Science and Machine Learning Bootcamp - Udemy.
- Database Programming with SQL – Oracle Academy.
- Web development Bootcamp – Udemy.
- Data Analytics Certification- Forage Deloitte.

EXTRACURRICULAR ACTIVITIES

- **Event Management Lead, IEEE CVR**
  Led and organized technical and professional events, managing logistics and coordinating with speakers and attendees.
- **iSchool Ambassador, University of Arizona**
  Actively engage in promoting the iSchool, assisting with outreach, and guiding prospective students through their decision-making process.
- **Participant, NextGen Geospatial Data Science Workshops**

Engaged in workshops focused on emerging trends in geospatial data science, enhancing analytical and technical skills.

ADDITIONAL INFORMATION

- Available for a 3-6 month internship.
- Willing to relocate or work remotely.