NIKHIL GUNDLURU

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Aspiring Data Scientist with a strong foundation in statistical analysis, predictive modeling, and data visualization. Proficient in Python, SQL, and Generative AI, focused on transforming data into actionable insights for business growth.

Education

RGUKT , Indian Institutes of Information Technology (IIIT) , RK-Valley(Andhra Pradesh) 2020 – 2024
- Bachelor's of Technology(**B-Tech)** in Computer Science and Engineering *CGPA – **7.72***

RGUKT , Indian Institutes of Information Technology (IIIT) , RK-Valley(Andhra Pradesh) 2018 – 2020
-Pre University Course (PUC) - MPC *CGPA – **7.20***

A.P Model School , Andhra Pradesh 2017 – 2018
-Secondary School of Education *CGPA – **9.5***

Skills

Languages/Frameworks	: Python , SQL.
Data Visualization	: Power BI, Excel, Jupyter Notebooks
Databases/OS	: MySql , Ubuntu.
Soft Skills	: Problem Solving, Quick Learner, Communication & leadership, Integrity.
Course Work	**:** Data Structures & Algorithms, OOP's, DBMS , Data Management, Generative AI, PV Case Processing..

Internships

Data Science Intern - Feynn Labs **July 2024 – Present**

- Conducted comprehensive market segmentation analysis for the Electric Vehicle (EV) industry in India. Created detailed work-in-progress (WIP) reports and client presentations using insightful visualizations, ensuring accurate representation of findings. Assisted in the technical aspects of deriving insights and forecasting.
- Explored applications of Generative AI to optimize data workflows, enhance data analysis efficiency, and automate decision-making processes. Maintained data accuracy and compliance with regulatory standards during the market segmentation analysis, ensuring data integrity throughout the project.
- **Technologies Used:** Power BI, Python, SQL, Generative AI tools, data visualization techniques, and data analysis libraries.

Projects

House Price Prediction Model

- Developed a predictive model leveraging advanced machine learning algorithms (Linear Regression, Lasso, Ridge Regression, Random Forest Regression) to forecast property prices, achieving an impressive R-squared value of 0.8559 with Linear Regression.
- Conducted extensive exploratory data analysis (EDA) to uncover patterns, manage missing values, and preprocess data effectively for model training.
- Built a user-friendly web application using Flask, HTML, CSS, and AJAX, enabling real-time property price predictions based on user input, significantly enhancing user experience and interactivity.
- **Tools Used**: Python, scikit-learn, Flask, HTML, CSS, JS, Git, GitHub Pages. **Link**

Credit Card Fraud Detection

- Engineered classification models to detect fraudulent transactions using various techniques, resulting in improved detection accuracy and security.
- Performed feature engineering and model optimization to enhance performance, successfully reducing false positive rates while maintaining high recall rates.
- **Tools Used**: Python, scikit-learn, pandas, NumPy, Jupyter Notebook. **Link**

Electric Vehicles Market Segmentation

- Executed a comprehensive market segmentation analysis for electric vehicles in India, focusing on demographic segments and consumer behaviors to pinpoint target markets.
- Analyzed geographical regions and EV infrastructure, revealing opportunities for market growth and strategic partnerships within the industry.
- Compiled actionable insights and recommendations based on data analysis, aiding stakeholders in formulating effective marketing strategies for electric vehicles.
- **Tools Used**: Python, SQL, Data Analysis libraries (pandas, NumPy), Data Visualization tools. **Link**

Certifications

- Data Visualisation : Empowering Business with Effective insights – The Forage
- Data Analysis with Python – Coursera * Python Programming - HackerRank