Nilesh Rajoji

Data Analyst

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PROFILE

Pre-Final Year Electronics Engineering student with a strong foundation in Data Analytics, Machine Learning, and Database Management. Passionate about uncovering insights through data visualization and predictive modeling. Proficient in Python and SQL, enabling data-driven decision-making for business impact.

EDUCATION

B.Tech 09/2023 – 07/2026
MLR INSTITUTE OF TECHNOLOGY Hyderabad, India

Diploma 10/2020 – 04/2023
Government Polytechnic Nandipet Nizambad, India

10th Grade 06/2019 – 04/2020
Goutham High Schol korutla, India

LANGUAGES

English

Telugu

CERTIFICATES

- Accenture North America - Data Analytics and Visualization Job Simulation
- BCG - Data Science Job Simulation
- Python

PROJECTS

Telco Churn Analysis(EDA)
Conducted an exploratory data analysis (EDA) on a dataset of 7,043 customers to identify factors affecting churn rates. Discovered that senior citizens have a **42% churn rate** (vs. 22% for non-seniors), and fiber optic users experience the highest churn (42%). Applied **logistic regression and decision trees** to predict customer churn with **85% accuracy**.

Diabetes Prediction Using Machine Learning
Developed a machine learning model for **early diabetes prediction** using Decision Tree and XGBoost. Analyzed a dataset with **65.10% healthy individuals** and **34.89% diabetic cases**. Achieved **80% accuracy with Decision Tree** and **89% accuracy with XGBoost**, optimizing model performance through hyperparameter tuning.

PROFESSIONAL EXPERIENCE

Data Analyst
"Interned at **Edunet Foundation - Techsakham** as a Data Analyst, focusing on **disease prediction models**. Developed a diabetes prediction model achieving **80% accuracy using Decision Tree**. Gained hands-on experience in **data preprocessing, model evaluation, and feature engineering**."

SKILLS

- Programming & Databases: Python, SQL, NumPy, Pandas
- Data Visualization: Matplotlib, Seaborn, Power BI
- Tools & Technologies: MS-Excel, MS-PowerPoint, Tableau
- Soft Skills: Problem-Solving, Critical Thinking, Analytical Mindset