DIVYA SRI BEVARA

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SUMMARY

Motivated professional eager to join an innovative team where I can apply my mindset for problem-solving and continuous learning to support real-world solutions and deliver measurable value through impactful contributions.

SKILLS AND CERTIFICATIONS

Programming Languages	C, Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), JavaScript
Data Analysis	EDA, Data Cleaning, Feature Engineering, Data Wrangling, Outlier Detection
Machine Learning	Logistic Regression, Decision Trees, Random Forest, Clustering , Model Evaluation
Visualization Tools	Tableau, Power BI, Excel (PivotTables, Charts, VLOOKUP, Data Validation)
Database	MySQL, PostgreSQL, MongoDB, SQL, Database Design
Cloud Platforms	AWS (EC2, S3, Lambda, RDS), Azure, Google Cloud Platform
Software Engineering	SDLC, Agile, Object-Oriented Design, Data Structures
Dev Environment	Jupyter Notebook, Google Colab, Git, GitHub, Streamlit, VS Code
Soft Skills	Communication, Problem Solving, Teamwork, Data Storytelling
Certifications	Google Data Analytics, IBM Data Science, SQL Data Science, AWS Cloud Practitioner

EXPERIENCE

Data Analyst Intern, Cadential Technologies, Bangalore, India June 2022 - July 2023

- Developed and evaluated logistic regression and random forest models on a dataset of 85,000+ records using Scikit-learn, achieved 91% accuracy and 0.89 AUC; results supported classification tasks and strategic insights.
- Executed EDA and feature engineering workflow with Pandas, Seaborn, and Matplotlib, addressing missing values, outliers, and categorical encoding to enhance model performance and result consistency across iterations.
- Designed interactive Tableau dashboards and automated Excel-based reporting solutions; combined with SQL-driven data pipelines to extract, transform, and aggregate data from multi-table datasets, reducing manual reporting time by 65% and improving stakeholder visibility into key performance metrics and decision making.

PROJECTS

Predictive And Detailed Analysis Of Brain Stroke Developed a hybrid classification system using CNN, SVM, and Decision Tree models to detect and classify brain stroke types from MRI scans and structured lifestyle data.

- Implemented advanced image preprocessing, feature extraction, and model evaluation using Keras, TensorFlow, and Scikit-learn. Achieved 92% accuracy in multi-class stroke prediction.

Published and presented at ICMLBDA 2023.

Exploratory Data Analysis on YouTube Trending Videos Conducted end-to-end EDA on 40,000+ trending video records using Pandas, Matplotlib, and Seaborn. Handled data cleaning, outlier detection.

- Created visual insights around audience engagement trends by video category and region. Insights and visualizations improved content trend prediction accuracy to 90% and were compiled into a report to support data-driven decisions.

PUBLICATIONS

The Overview of XSS Attack Detection Methods On Web Applications This research focuses on identifying and mitigating XSS vulnerabilities in web applications, achieving high accuracy and precision in detecting attacks. Demonstrated expertise in data preprocessing, model building, and evaluating detection methodologies.

Enhanced Streaming Algorithms for the Maximum Directed Cut Problem Using Smoothed Snapshots In this paper, we introduced an enhanced streaming algorithm that improves efficiency, speed, and accuracy in machine learning, network optimization, and data mining, especially for large graphs with limited memory.

EDUCATION

Master of Science in Computer Science, University of North Texas 2023 - 2025
Bachelor of Technology in CSE, Anil Neerukonda Institute of Technology and Sciences 2019 - 2023