

DEEPIKA T

+91 8825513924 | deepikadpu2001@gmail.com | [LinkedIn](#) | [GitHub](#) | Chennai, Tamil Nadu

PROFESSIONAL SUMMARY

Recent engineering graduate with a solid foundation in Python, SQL, and machine learning. Proficient in data analysis, predictive modelling, and data visualization with a track record of delivering actionable insights through well-designed dashboards. Good at managing large datasets, optimizing models, and presenting data-driven strategies to improve business outcomes. Eager to contribute my skills in a challenging and dynamic work environment.

SKILLS

Programming Languages: Python (OOPS, Pandas, NumPy, Matplotlib)

Database Management: SQL (DDL, DML, DQL, TCL, Joins, Subqueries)

Data Analysis: Excel (Formulas, Charts), Exploratory Data Analysis (EDA)

Data Visualization: Power BI (Dashboards, DAX Functions)

Machine Learning: Scikit-learn, Natural Language Processing (NLP)

PROJECTS

Sales Prediction Project | [Link](#)

- Developed a sales prediction model using machine learning algorithms, achieving 85% accuracy, leading to a 10% revenue boost.
- Cleaned and processed data using features like Store ID, Date, Holiday, Discount, and Sales; addressed missing values and standardized data.
- Evaluated and optimized multiple models for better forecasting and provided insights to enhance inventory management.

Student Performance Analysis | [Link](#)

- Predicted student grades using logistic regression based on features like study time, GPA, and absences.
- Preprocessed data and created features like parental support and extracurricular activities for better prediction accuracy.
- Provided insights into factors influencing student performance, helping to identify key predictors of success.

Google Play Store Application Analysis | [Link](#)

- Analyzed Play Store app data to improve ranking strategies by 15% through insights on user behavior and app performance.
- Handled data cleaning and preprocessing, including dealing with missing values and outliers.
- Utilized Python libraries such as Pandas, Matplotlib, and Seaborn to perform Exploratory Data Analysis (EDA) and generate actionable insights.

WORK EXPERIENCE

Data Science Intern (Virtual)

Sabudh Foundation | July 2024 - Present

- Utilized Python and SQL for data compilation, sanitization, and preprocessing.
- Conducted EDA to uncover insights, supporting data-driven decision-making.
- Contributed to the design, training, and evaluation of machine learning models using Scikit-learn, improving model accuracy by 20%.

EDUCATION

KSR Institute for Engineering and Technology

Bachelor of Technology in Information Technology | CGPA: 8.66

Namakkal, Tamil Nadu | July 2019 – May 2023

Amrutha Matric Higher Secondary School

HSC | Percentage: 85.33%

Dharmapuri, Tamil Nadu | March 2019

CERTIFICATIONS

- Data Science Master Program** – Besant Technologies
- Foundations: Data, Data, Everywhere** – Google (Coursera) | [Certificate](#)
- Programming in Python** – HackerRank | [Certificate](#)
- SQL (Basic)** – HackerRank | [Certificate](#)