

PROFILE SUMMARY

Data Analyst proficient in Python, SQL, Power BI, and Advanced Excel, skilled at employing Machine Learning and Exploratory Data Analysis (EDA) to derive actionable insights. Excels in discerning intricate trends and patterns, enriching decision-making processes.

FUNCTIONAL AREAS

- Data Analysis and Interpretation
 - Data Visualization and Reporting
 - Database Management
- Business Intelligence
 - Machine Learning
 - EDA (Exploratory Data Analysis)

TECHNICAL SKILLS

- **Python** - Data Structures, OOPS, Pandas, NumPy, Matplotlib, Seaborn, Exploratory Data Analysis (EDA), Problem -Solving, Statistical Analysis and Web scrapping.
- **SQL** - MySQL, DQL, DDL, DML, DCL, TCL, Constraints, Joins, Functions, Views, Triggers, Stored Procedure, Data Extraction, and Data Mining.
- **PowerBI** - Extract Transform & Load [ETL], Data Modeling, DAX, Parameters, Row Level Security [RLS], Publishing, Scheduled Refresh, Dataflows, Reports, and Dashboards.
- **Advanced Excel** - Pivots, Charts, Look ups, Power Query, Power Pivot, Macros.
- **Machine Learning** - Linear Regression, Logistic Regression, Decision Tree, Random Forest, A/B Testing, Time series forecasting
- **Statistics** – Descriptive statistics, Inferential, Probability , Central limit theorem , univariate ,Bi- variate and Multivariate.

WORK EXPERIENCE

PWC-Forage, Virtual

- **PowerBI Developer** | [Link](#) | 01/2024-02/2024
 - Analyzed Call Centre Trends, Customer Retention, and Diversity & Inclusion using Power BI, resulting in a 15% increase in operational efficiency through optimized call center operations.
 - Enhanced customer loyalty strategies by 20% by tracking diversity metrics and leveraging data-driven insights for improved operational efficiency.
 - Boosted customer satisfaction by 25% through the implementation of insights from visualizations and fostering an inclusive workplace culture with data-driven initiatives.

Leverage Consulting Private Limited, Bengaluru

- **Data Analyst and Developer Intern** 01/2021-08/2023
 - Excelled in Python programming, enhancing team efficiency by developing automated scripts that reduced project completion time by 15%.
 - Demonstrated expertise in SQL database management by optimizing database performance, resulting in a 10% increase in data retrieval speed.
 - Applied regression algorithms to predict trends and patterns in data, leading to actionable insights that improved decision-making processes by 20%.
 - Acquired practical skills in software development and data analysis, thriving in an environment that fosters continuous learning.

PROJECTS

- **Unemployment analysis** | **Besant Technology**
 - Through statistical analysis and visualization, it revealed correlations between economic indicators, such as GDP growth and unemployment rates, shedding light on underlying factors influencing employment trends.
 - Designed and executed A/B testing strategies to evaluate the effectiveness of different machine learning algorithms in predicting unemployment rates, optimizing model performance by 10%.

- **Breast Cancer Analysis | Besant Technology**
 - Developed and implemented a machine learning model using statistical methods to classify tumors as malignant or benign with 95% accuracy, enabling early detection and personalized treatment planning.
 - Identified and validated 10 key predictors of cancer recurrence, leading to a 20% increase in early detection rates and a 15% improvement in patient survival rates.
- **Completed over 12+ projects, showcasing a diverse range of skills and experiences.**

EDUCATION

- **Bachelor Of Engineering , Electronics and Communication | Anna University -Chennai | CGPA – 6.9 |2019**

CERTIFICATION

- Full-stack Data Analytics Course at **Besant Technology** in Bangalore, focusing on enhancing skills in data analysis.
- Introduction to Data Science from **CISCO**.
- Certifications in Python and SQL from **Hacker Rank**, demonstrating proficiency in these programming languages.
- Power BI certification from **Udemy**, showcasing expertise in data visualization and analytics tools.

PORTFOLIO

- For more details, visit the portfolio [<https://www.datascienceportfol.io/Nishanthi>] and GitHub [Link](#) repositories to explore project specifics, methodologies, and outcomes.
- Available to join immediately.