

BHARATHNIVASAN J

Aspiring Data Scientist | Data Analytics & Machine Learning | Python, SQL, Power BI

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PROFESSIONAL SUMMARY

Analytical and detail-oriented Aspiring Data Analyst skilled in Python, SQL, Power BI, and data modelling. Adept at developing ETL pipelines, analyzing large datasets, building interactive dashboards, and delivering actionable business insights. Demonstrated expertise in data cleaning, predictive analytics, and machine learning to optimize business decisions. Proven ability to collaborate within cross-functional teams to drive innovation and efficiency.

EDUCATION

Masters in Applied Statistics and Data Analytics

July 2023 – May 2025

Amrita Vishwa Vidyapeetham, Coimbatore, India

Bachelors in Statistics

August 2020 – May 2023

Dr. Ambedkar Government Arts College, Chennai

SKILLS

Data Visualization: Power BI, Matplotlib, Seaborn, Dashboard Design, DAX, Power Query

Data Analysis & Processing: Python (Pandas, NumPy), SQL (MySQL), R, Excel, Google Sheets, DSA

Machine Learning & Statistics: Scikit-learn, Regression, Classification, PCA, Feature Engineering, Model Evaluation

Databases & Clouds: Azure, MongoDB, ETL & ELT Pipelines

Soft Skills: Problem Solving, Communication, Teamwork, Data Storytelling, Adaptability

KEY PROJECTS

1. Hybrid Machine Learning Model for House Price Prediction (Set to Publish in 16th ICCCNT conference)

- Developed a hybrid regression model combining XGBoost and Gaussian Process Regression to improve real-estate price prediction accuracy using Python and Scikit-learn.
- Performed extensive data preprocessing, feature engineering, and model validation, ensuring high-quality and reliable outputs.
- Delivered insights that supported data-driven urban planning and real-estate decision-making.

2. Instagram Engagement Analytics Using Python

- Analyzed post reach and engagement from multiple sources (Home, Explore, Hashtags).
- Developed interactive Power BI dashboards highlighting engagement trends, optimal post times, and sentiment insights.

3. Impact of Cigarette Consumption on CHD Risk (10-Year Study)

- Conducted regression and PCA-based exploratory analysis using SPSS and Python.
- Visualized major health indicators and risk trends with Matplotlib and Seaborn.

4. Property Management Application Using Salesforce

- Designed an integrated dashboard for property listings, loan tracking, and sales analytics using Salesforce reporting tools.
- Enabled marketing and sales teams to monitor performance and discount insights in real time.

CERTIFICATIONS

Microsoft Certified: Azure AI Fundamentals – Microsoft Ignite

Big Data and Hadoop Essentials – Udemy

Salesforce Associate – SmartInternz (Trailhead, Naan Mudhalvan)