

# Naveen Anandhan

Aspiring Data Scientist, Proficient in data science with strong expertise in statistical analysis, feature engineering, data preprocessing, and creating custom transformers in scikit-learn. Experienced in machine learning, deep learning, and generative AI techniques. along with AWS and web scraping using BeautifulSoup, and advanced in Python programming. Skilled in applying statistical methods to drive data-driven decision-making and solve complex problems.

LinkedIn : [Naveen Anandhan](#) Github : [naveen-anandhan](#) Leetcode : [Naveen8680](#)

## Work Experience

### Transaction Processing Representative

#### Accenture Solutions Pvt Ltd

October 2020 - April 2024

- Managed and processed transactions with a high degree of accuracy and attention to detail.
- Improved transaction processing efficiency by implementing streamlined workflows.
- Ensured compliance with company policies and industry regulations.

## Projects

### Singapore Resale Flat Price Prediction

- Developed an application to predict resale flat prices in Singapore using machine learning models.
- Utilized XGBoostRegressor and DecisionTreeRegressor for model building.
- Deployed the application on Streamlit. [GitHub Repository](#)
- Technologies: Python (Pandas, Seaborn), Streamlit, Machine Learning

### Copper Price and Status Prediction App

- Created an application to predict copper prices and deal statuses.
- Implemented ExtraTreeRegressor for price prediction and RandomForestClassifier for deal status classification.
- Deployed the application on Streamlit. [GitHub Repository](#)
- Technologies: Python (Pandas, Seaborn), Streamlit, Machine Learning

### YouTube Data Harvesting

- Built a pipeline to harvest and analyze YouTube video data.
- Used YouTube API for data extraction and MySQL for database management. [GitHub Repository](#)
- Technologies: Python (Pandas, Numpy), YouTube API, MySQL

### PhonePe Data Visualization

- Developed interactive dashboards to visualize PhonePe transaction data. [GitHub Repository](#)
- Utilized Power BI for dashboard creation and data insights.
- Technologies: Python (Pandas, Matplotlib, Seaborn), Power BI

### Airbnb Data Visualization

- Visualized Airbnb listing data to identify rental market trends.
- Created interactive dashboards using Power BI. [GitHub Repository](#)
- Technologies: Python (Pandas), Power BI

## Certifications

MASTER DATA SCIENCE - Guvi  
Python - Guvi([Link to credential](#))

## Contact

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## Skills

- **Programming Languages:** Python, SQL, MySQL, PostgreSQL, scikit-learn, SciPy
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn
- **Statistics:** Statistical Modeling, Hypothesis Testing, Forecasting, Probability, Normal Distribution
- **Machine Learning:** Linear Regression, Logistic Regression, K-means, Random Forest, SVM, Naive Bayes, PCA, SVD, Ensemble Models (XGBoost, Decision Trees, Random Forest)
- **Deep Learning:** Neural Networks, Keras, Theano, Face Detection, Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Object Detection, YOLO, TensorFlow, LSTM, OpenCV
- **Generative AI:** GPT, Transformer Models, Text Generation, Language Models, Chatbots, Image Generation
- **Data Visualization:** Power BI, Tableau, Excel
- **Web Development:** Streamlit
- **Database Management:** MySQL, PostgreSQL
- **Tools:** Jupyter Notebook, Vscode, AWS (EC2, Lambda, S3), BeautifulSoup

## Educational Background

Dr. MGR Educational and Research Institute  
**Master of Computer Applications (MCA)**  
2018 - 2020  
**Bachelor of Computer Applications (BCA)**  
2016 - 2018

**Languages :** English, Tamil