# VIGNESHKUMAR B

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## SUMMARY

Aspiring Machine Learning Intern Proficient in Python, SQL, and data analysis, with a strong foundation in machine learning algorithms and data Visualization . Currently enhancing skills through a Data Science course, seeking to contribute to data-driven solutions in a dynamic organization

## PROJECTS

**Client Project: Sales Lead Categorization (Ficzon Inc) :**

Developed a **machine learning pipeline** to improve sales conversion by predicting lead quality (High vs. Low Potential) for a SaaS-based company. Integrated **MySQL** for data extraction and applied comprehensive data preprocessing, feature engineering, and exploratory analysis using Pandas, Matplotlib, and Seaborn. Built classification models using **Scikit-learn** and **Artificial Neural Networks** (ANN) to identify high-potential leads, enabling the sales team to make data-driven decisions and enhance overall sales effectiveness

**Salary Prediction in Texas Using Machine Learning:**

I built a salary prediction model for the Texas job market using **Python** libraries such as Pandas, Scikit-learn, and Matplotlib. The project involved collecting and cleaning real-world salary data, performing exploratory **data analysis** (EDA), and engineering relevant features such as education level, job title, and industry. I trained and evaluated multiple **regression models** including Linear Regression and Random Forest Regressor to forecast salary ranges with strong performance metrics ($R^2$ score and RMSE). The insights were presented through visualizations to support better decision-making for job seekers and HR professionals

**Adidas Sales Analysis using Power BI:**

I created an interactive sales analysis dashboard in **Power BI** for Adidas to track performance across products, regions, and time periods. I cleaned and transformed raw sales data using Power BI's data modeling tools, and built custom **DAX** measures to calculate key metrics such as Total Sales, Profit, Quantity Sold, and Sales Growth Percentage. The dashboard included dynamic visuals like bar charts, line graphs, and maps with slicers for easy filtering. This solution helped stakeholders quickly identify top-selling products, underperforming areas, and key sales trends for better decision-making.

## TECHNICAL SKILLS

- **Programming Languages**: Python, **SQL**
- **Data Analysis & Manipulation**: Pandas, NumPy
- **Data Visualization**: Matplotlib, Seaborn, Power BI
- **Machine Learning Algorithms**: Linear Regression, Logistic Regression, Decision Trees, K-Nearest Neighbors
- **Machine Learning Frameworks**: Scikit-learn
- **Data Preprocessing**: Handling missing values, encoding categorical variables

## INTERNSHIP

**Data Scientist Intern at Rubixe** the parent company of DataMites, where I apply data analysis and machine learning skills gained during my Certified Data Scientist program to real-world projects, contributing to innovative AI solutions. Collaborated with cross-functional teams to analyze business data, build predictive models, and support data-driven decision-making using **Python**, SQL, and industry-standard tools**.**

## SOFT SKILLS

- Effective Communication
- Team Collaboration
- Problem-Solving
- Time Management
- Client Support

## COURSES

**Certified Data Scientist, DataMites** - Global Institute For Data Science Currently, I am undertaking a six-month program at DataMites, where I have acquired practical implementation of various data science concepts and techniques. This course includes professional training in data analysis, machine learning, and statistical modeling, resulting in certifications from IABAC and NASSCOM. The hands-on approach will help me develop the ability to understand theoretical knowledge as applied to real-world data challenges

## EDUCATION

**Hindusthan College Of Arts & Science**                                       Coimbatore

  Bachelor of Computer Application                                Graduation Date: May 2024

**Jaycee Hr.Sec.School**                                                        Coimbatore

Higher Secondary                                                Graduation Date: Apr 2021

## LANGUAGES

- English
- Tamil

## DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief. I take full responsibility for the authenticity of the details shared in this resume.