

VIGNESH M

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<https://github.com/VigneshvickyData>

Summary

Aspiring Data Scientist — BCA Student

Madras University

Chennai, Tamilnadu, India

- Currently pursuing a Bachelor of Computer Applications (BCA) with a strong foundation in data science and programming.
- Gained hands-on experience through completing multiple projects in machine learning, NLP, and data visualization.
- Proficient in Python, SQL, Machine Learning, NLP, Big Data, and Power BI.
- Worked on real-world projects such as Diabetes Prediction (healthcare domain), Diamond Price Prediction (e-commerce domain), Text Summarization (AI domain, NLP).
- Strong problem-solving, analytical thinking, and communication skills, with a proactive approach to continuous learning.

Education

University of Madras

Bachelor of Computer Application - BCA

Sep. 2022 – May 2025

TMG College of Arts and Science

Certifications

Data Science Masters

Physics Wallah

Relevant Coursework & Technical Skills

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|--------------------|-----------------------|---------------------------|----------------------|
| • Machine Learning | Processing (NLP) | Systems (SQL) | • Big Data Analytics |
| • Natural Language | • Power BI | • Artificial Intelligence | • Cloud Computing |
| | • Database Management | • Data Visualization | |

Languages: Python, SQL

Developer Tools: VS Code, Jupyter, Google Colab, GitHub

Technologies/Frameworks: Machine Learning, NLP, Power BI, MLflow, Big Data, Scikit-learn, TensorFlow

Projects

Text Summarization Project | AI Domain, NLP

July 2024

- Implemented a text summarization model using Natural Language Processing (NLP) techniques and transformer models. Processed large datasets to train the model and generate concise summaries of input text.
- **Project link:** <https://github.com/VigneshvickyData/Text-Summarization-NLP-Project>

Diabetes Prediction | Healthcare Domain, Logistic Regression

August 2024

- Developed a diabetes prediction model using Logistic Regression to classify patients based on health indicators. Utilized a dataset of medical records to predict diabetes occurrence.
- **Project link:** <https://github.com/VigneshvickyData/End-to-End-ML-Project-Diabetes-Prediction->

Diamond Price Prediction | E-commerce Domain, Random Forest

August 2024

- Built a diamond price prediction model using Random Forest to estimate diamond prices based on attributes like carat, cut, clarity, and color.
- **Project link:** <https://github.com/VigneshvickyData/End-to-End-Diamond-Price-Prediction-MLproject>

Wine Quality Prediction | Manufacturing domain, Regression

September 2024

- Developed a regression model to predict wine quality using the Elastic Net algorithm within the MLflow framework.
- **Project link:** <https://github.com/VigneshvickyData/End-to-End-Machine-Learning-Project-MLflow>

US Visa Approval Prediction | Immigration domain, Classification

September 2024

- Developed a production-ready machine learning model to predict US visa approval outcomes using the K-Nearest Neighbors (KNN) classifier.
- **Project link:** <https://github.com/VigneshvickyData/MLOPs-Production-Ready-Machine-Learning-Project>

Strengths

- * **Smart-working:** Focused on finding innovative, data-driven solutions to complex problems by analyzing trends and patterns efficiently.
- * **Solving Complex Problems:** Proven ability to analyze and resolve complex data challenges, applying critical thinking and data-driven approaches to develop effective solutions.