GOPINATH D

**CONTACT INFORMATION**

* Role: Data Scientist
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* Portfolio:[GOPINATH\_BCA](https://gopinathd1.github.io/GOPINATH_BCA)
* Location: Kanchipuram, Tamil Nadu.

# SUMMARY

Data Scientist with a Bachelor of Computer Applications (BCA) and experience in data science and predictive modeling. Expertise in Python, MySQL, and machine learning algorithms, including Logistic Regression and Decision Trees. Proficient in data preprocessing, exploratory data analysis (EDA), and statistical analysis to deliver actionable insights for business optimization. Strong communication skills for presenting findings to both technical and non-technical stakeholders. Hands-on experience in customer churn prediction and diabetes prediction, with a keen focus on improving business outcomes.

# PROFESSIONAL EXPERIENCE

## Role: Data Science Intern

Company: Shiash Info Solutions Private Limited, Chennai  
Duration: June 2024 – October 2024

As a Data Science Intern, I am responsible for working with diverse datasets to derive meaningful insights and predict future trends to support business analysis. I utilize various Python libraries, such as Pandas, NumPy, and Matplotlib, to analyze data, build predictive models, and provide data-driven recommendations to improve business strategies. My role involves collaborating with the team to understand business requirements, cleaning and preprocessing data, performing exploratory data analysis, and presenting findings to stakeholders.

# PROJECTS

## Customer Churn Prediction Using Logistic Regression

* Developed a predictive model to identify customers likely to churn based on various features like tenure, contract type, and payment methods, improving customer retention .
* Conducted data cleaning, feature engineering, and exploratory data analysis using Pandas, NumPy, and Seaborn, enhancing model performance.
* Achieved an accuracy and provided insights that helped the business reduce churn.

## Diabetes Prediction Using Logistic Regression

* Built a model to predict the likelihood of diabetes using patient health indicators like glucose levels, BMI, and pregnancies.
* Performed feature selection using Recursive Feature Elimination (RFE), improving model accuracy and contributing to early diagnosis strategies.
* Delivered actionable insights for early detection and intervention in healthcare, helping improve patient outcomes.

## Netflix Data Analysis

* Analyzed customer preferences and rating patterns to extract insights into content popularity and viewing habits, enhancing engagement strategies.
* Visualized trends using Matplotlib and Seaborn, enabling data-driven strategies to improve customer engagement by 12%.

# EDUCATION

Bachelor of Computer Applications (BCA)

Sri Sankara Arts and Science College, Kanchipuram

2021 – 2024

Higher Secondary Education

Bharathidasan Matric Hr.Sec.School, Kanchipuram

2020 – 2021

# CERTIFICATIONS

* Introduction to Data Science – March 2024
* AI Workshop on Be10x – March 2024
* Honours Diploma in Computer Applications (HDCA) – 2022-2023

# SKILLS

## Technical Skills:

* **Programming Languages:** Python, C, C++
* **Machine Learning Algorithms:** Logistic Regression, Decision Trees,

Random Forest, SVM, K-Means Clustering, Time Series Analysis.

* **Statistical Techniques:** Regression Analysis, Segmentation, Forecasting
* **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn,

Scikit-learn, Power BI.

* **Database Management:** MySQL
* **Tools:** SQL, Excel, PowerPoint.

## Soft Skills:

* Analytical Thinking, Business Acumen, High Impact Communication, Problem Solving

# EXTRA-CURRICULAR ACTIVITIES

- Actively involved in stock market analysis and investment research, applying statistical models to predict market movements.