

## Skills

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- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, Matplotlib, TensorFlow)
- Excel
- GCP (DataBricks, Data Lake, Data Warehouse)
- Statistics and Probability
- PowerBi

## Projects

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### CREDIT CARD FRAUD DETECTION – Personal Project

- Leveraged Python for credit card fraud detection, employing machine learning algorithms to analyze transaction data and detect fraudulent activities.
- Utilized pandas, matplotlib, and wordcloud libraries to aggregate and visualize transaction data, facilitating the identification of patterns indicative of fraudulent behavior.
- Compiled comprehensive reports detailing insights gained from data analysis, highlighting key indicators of fraudulent transactions and suggesting strategies for improved fraud detection systems.

### TWITTER SENTIMENTAL ANALYSIS (NLP)

- Utilized the versatile Python ecosystem, harnessing libraries such as NLTK and scikit-learn, to conduct sentiment analysis on a comprehensive dataset comprising 14,000 Twitter reviews spanning six prominent airlines.
- Orchestrated intricate data preprocessing and text analytics procedures within the Python environment to meticulously discern and categorize primary grievances articulated within the tweets, custom-tailoring the analysis to each distinct airline.
- Employed sophisticated regression and machine learning methodologies, encompassing algorithms such as Logistic Regression, Random Forest, or Gradient Boosting, to engineer a robust sentiment analysis model. This model demonstrated remarkable efficiency, achieving a commendable accuracy rate of 88% and yielding a substantial lift of 34% for predictive performance.

## ACHIEVEMENTS

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### NPTEL GCP COURSE – Central Government - India

- Acquired in-depth understanding of Google Cloud Platform (GCP) services, including Compute Engine, BigQuery, and Cloud Storage, through structured course.
- Explored practical use cases and case studies, elucidating how GCP can be leveraged for data analytics, infrastructure management, and secure data storage.
- Gained hands-on experience with GCP tools and features, mastering skills in deploying and managing cloud-based solutions tailored to meet the specific needs.

### BCG INTERNSHIP IN DATA SCIENCE – By Forage – Virtual (Remote)

- Engaged in real-world data science projects and tasks designed to simulate the experience of working at BCG, gaining practical skills and insights into data-driven problem-solving methodologies.
- Collaborated with industry professionals and mentors to tackle challenging data science problems, applying techniques such as machine learning, statistical analysis, and data visualization to derive meaningful insights.
- Leveraged virtual collaboration tools and platforms to communicate with team members, present findings, and deliver project outcomes, demonstrating remote work proficiency and adaptability in a professional setting.

## Education

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**BACHELOR OF TECHNOLOGY** – Mar Baselios Christian College of Engineering – Peermade, Kerala  
Majors: Computer Science Engineering

2021 – 2025  
Final Year