

## Summary

Experienced Data Analyst skilled in Python, SQL, and machine learning frameworks, with expertise in data visualization using Tableau and Power BI. Proven success in optimizing credit risk assessment and loan approval processes. Certified in AWS and Google Data Analytics, with hands-on experience in cloud technologies and agile project management.

## Education

**Master of Data Analytics | National College of Ireland**

**September'23 – Aug '24 | Dublin, Ireland**

**Core Modules:** Data mining machine learning 1, Data mining machine learning 2, Database and analytical programming, Business intelligence, Statistics, Modelling simulation and optimization, Domain application of predictive analytics, Research in computing, Data governance, MSc. Research Project

**Bachelor of Engineering in Information Technology | SPPU (CGPA: 7.91)**

**July '18 – May '22 | Maharashtra, India**

**Core Modules:** Design and Analysis of Algorithms, Theory of Computation, Data Science and Big Data Analysis, Machine Learning and Applications, Cloud Computing.

## Skills

**Programming Languages and Frameworks:** Python (Pandas, NumPy, Matplotlib, TensorFlow, Seaborn), C/C++, R, HTML5, CSS3, JavaScript,

**Software Development Practices:** Agile Development, Git Version Control, Linux

**Data Management and Visualization:** SQL, MongoDB, Tableau, PowerBI, Quick Sight

**Cloud:** AWS (EC2, S3, Cloud watch), Microsoft Azure (Data Bricks) Apache, Hive, HBase, Kafka

**Algorithmic and Design Concepts:** Advanced Data Structures and Algorithms, Complexity Analysis, SOLID Principles

## Professional Experience

**Data Analyst | Tata Consultancy Services (TCS) | Pune, India**

**July'22 – July'23**

- Developed and maintained **15+ credit risk dashboards** using **Tableau and Power BI** to analyze customer creditworthiness and risks.
- Designed **10+ data models (Logistic Regression, Decision Tree)** in **SQL and Python** for evaluating loan eligibility, factoring in historical data and repayment behavior.
- Leveraged **advanced analytics with Python** to optimize loan approvals, reducing default rates by **15%**.
- Automated **5 reporting processes using SQL and Python** for real-time monitoring, improving decision making speed by **20%**.
- Collaborated with **4 teams** to enhance credit risk predictions, increasing accuracy by **25%**, utilizing **machine learning algorithms in Python**.
- Delivered insights via **10+ data visualizations** created with **Tableau and Power BI** to refine credit policies and target high value customers.

**Machine Learning Operations Intern | LinuxWorld Informatics Pvt. Ltd. | India**

**May'21 – November'21**

- Implemented machine learning models with **TensorFlow** and **Scikit-Learn**.
- Led the development and deployment of **5 end-to-end ML workflows** using **Python, TensorFlow, Scikit-learn** and **CI/CD pipelines**, ensuring seamless integration and operational efficiency.
- Developed social distancing and facial recognition systems with **YOLOv5, TensorFlow, OpenCV, and Haar Cascade** achieved **89%** accuracy.

## Projects

**Adidas Sales Analysis Dashboard (PowerBI) | [GitHub Repository](#)**

- Developed a **Power BI dashboard** analyzing Adidas sales data with over **10 key metrics** including revenue, product demand and regional trends.
- Focused on improving sales in the **Midwest region**, which accounts for **25% of US sales**.
- Integrated **CRM strategies** targeting **15000 customers**, enhancing engagement and retention efforts
- Provided actionable insights that contributed to a projected **10% increase** in sales performance.
- Identified top **5 high-demand products** to tailor marketing and sales strategies.

**Social Media Recommendation System using LLM (ChatGPT 3.5) | [GitHub Repository](#)**

- Developed a recommendation system using **LLM** to personalize social media content based on user interests.
- Implemented **dynamic profiling for real-time analysis** of user behavior, incorporating **1000+ data points** (interactions, preferences).
- Segmented users into **5-10 clusters** using K-means clustering based on behavior patterns, enhancing content relevance.
- Increased recommendation accuracy by **15-20%** through the combination of LLM insights and K-means clustering.
- Analyzed **over 50000+ posts/comments** using **NLP** techniques to categorize content by themes, topics and sentiment.
- Tuned K-means clustering parameters, resulting in a **25%** reduction in irrelevant content shown to users.
- Technologies: Python, Django, NLTK, NLP, Pandas, NumPy, K-means clustering.

## Certification

- [Google Data Analytics \(Coursera\)](#)
- [AWS certified Data Analytics Specialty 2024 \(Udemy\)](#)
- [AWS certified Data Engineer Associate 2024 \(Udemy\)](#)
- [Object-Oriented Programming with Python on Udemy](#)