SAMRUDDHI KINHEKAR

ACADEMIC PROFILE

PGDM Business Analytics	7.52 CGPA	Jagdish Sheth School of Management (JAGSoM), Bengaluru	2025
B. Tech Information Technology	75.47%	Shri Shankaracharya Technical Campus, Bhilai	2022
Class XII (CBSE)	63.8%	Delhi Public School, Durg	2018
Class X (CBSE)	85.5%	Delhi Public School, Durg	2016

AREAS OF STUDY

Data Visualization, Database Management System, Business Forecasting, Cloud Computing for Business Values, Big Data & Cloud Computing, Unstructured Data Analytics, Data Pre-processing, Business Requirements Analysis, Business Strategy and Simulation,

INTERNSHIP(S) — 8 Months

Cognizant Technology Solutions — **JAVA Full Stack Intern** — **February 2022 - September 2022**

- Java SpringBoot: Claims Management System, in this project worked on creating an efficient, user-friendly platform using Java SpringBoot. My role involved designing and developing the system to streamline the end-to-end claims process. I focused on enhancing accuracy, speed, and overall management of claims by implementing robust backend solutions and intuitive user interfaces.
- React: Enabled the creation of a fast and interactive user interface, improving user engagement and satisfaction, for the patients claims system.
- Development tool: Facilitated collaborative development by allowing multiple developers to work on the codebase simultaneously, tracking changes, and managing versions effectively.

ACADEMIC PROJECT(S)

Drowsiness Detection System

- Engineered a real-time drowsiness detection system using advanced machine learning algorithms and computer vision techniques to enhance driver safety and prevent accidents.
- Utilized facial recognition and eye-tracking technologies to accurately monitor and analyze driver fatigue indicators, such as blink rate and eye closure duration, ensuring high accuracy and reliability.
- Contributed to improved road safety by providing timely alerts to drowsy drivers, reducing the risk of fatigue-related accidents and promoting proactive measures for driver well-being.

AI/ML Price Prediction Model for Agri-horticultural commodities

- Problem Identification: learning models to forecast prices of agri-horticultural commodities, utilizing historical data and market trends for SIH(2024).
- Trains machine learning algorithms on collected data to identify patterns for reliable forecasts.
- Accurate price predictions will help stabilize markets, prevent price volatility, and support strategic planning for both farmers and government agencies.

F1 Prediction for Race

- Analyzed the distribution of drivers' nationalities, finding the UK as the most represented.
- Found a positive correlation between years active and race wins, indicating experience matters. Demonstrated that pole positions strongly predict race wins among champions.
- Identified key success factors like pole rates, win rates, and podium rates through correlation and regression analysis. Used a Random Forest model to predict race wins, showing that years active is not the sole predictor.

Industry Analysis of Phone in India

- This project demonstrates how unstructured data can enhance understanding and decision-making in the mobile phone market.
- Data Identified: User reviews from e-commerce websites, social media, and forums.
- Text Preprocessing: Tokenization, lemmatization, and removal of stopwords. Sentiment Analysis: Using VADER and TextBlob. Feature Engineering: Creating features like review length and word count.

Cloud Powering Space Exploration

- A Comparative Analysis of AWS, GCP, and Azure for Satellite Operations and Space Situational Awareness
- Leveraged AWS for NASA's Earth Observing System Data, utilizing scalable storage, computing, and advanced analytics.
- Utilized GCP for SpaceX's Starlink, employing robust data analytics, machine learning, and global networking. Implemented Azure for NASA's Orbital Ground Station, enhancing satellite communication with seamless integration, real-time data analysis, scalability, and automation.

CERTIFICATIONS

Linear Regression for Business Statistics	Rice University (Coursera)	2024
Use Python for Non-Data Role	Coursera Project Network	2024
SQL for Data Science	University of California, Davis (Coursera)	2024
Creating Dashboards and Storytelling with Tableau	University of California, Davis (Coursera)	2024
Excel Skills for Business: Advanced	Macquarie University (Coursera)	2023

POSITIONS OF RESPONSIBILITY

JAGSoM, Bengaluru	**Committee Coordinator – Industry Integration and Connect** — **2023 - 24** • Supported workshops and discussions at the AIM-AMA Sheth Foundation Doctoral Consortium Global Marketing Consortium 2023 • Led a marketing quiz event as the coordinator organized by the Industry Integration and Connect Committee for students.

ACCOMPLISHMENTS

Competitions and Activities	• Collaborated with the **Starlight Foundation** for the education and upliftment of underprivileged children. • Contributed to the unveiling of the **Index of Service Excellence in India (iSEI)** 2023 Report at the AIM – Parasuraman Centre for Service Excellence with the Industry Connect Team.

SKILLS	SQL, Python, Excel, Data Visualization (Tableau), Problem solving and Analytical Thinking skills, R Programing