ISHAAN
f2016704p@alumni.bits-pilani.ac.in
+91 9478744502
https://www.linkedin.com/in/ishaan-ishaan-3406b7171/
https://github.com/ishaancodes011/
(BITS Pilani)
| Data Analysis| Data Science|

Key Skills

Data Analysis

Data Science

Python

SQL

SAS

JavaScript

Data Visualization - Streamlit / Tableau

Software Development

MS Excel

Risk Analysis

Financial Evaluation

Soft Skills

Analytical	Collaborator
Decision Maker	Innovator
Problem Solver	Planner

Education

- **2016-2021: M.Sc.(Intg.) Physics & B.E. Manufacturing from BITS Pilani**

Achievements

- CBSE Score - 93.6%(2016)
- CBSE Maths Score - 100 (2016)
- Award of Excellence - IDFC First Bank - (2022 - 2023)

Profile Snapshot

- 2 years of experience in Data Analysis and Financial Modeling.
- Implemented early warning signals for risk management in wholesale banking clients.
- Proficient in dashboard management for informed decision-making.
- Innovated centralized system for data authentication code scripts.
- Eliminated work overlap and saved over 400 man hours through automation.

Career Timeline

Aug'20-Jun'21
Semester Internships

Jun'21-Jul'22
Data Analyst — SEASIA (A CMMI Level 5 Company)

Jul'22-Jul'23
IDFC FIRST Bank — Data Analyst

Employment Details

Jul'22-Jul'23 with IDFC First Limited
Last Designated as Data Analyst

Jan'23-Jul'23: Risk Analyst

- Collaborated to automate Excel-based risk models for real-time insights and regulatory compliance.
- Implemented risk segmentation for potential NPA identification.
- Designed an Early Warning System (EWS) using K-Means clustering and Logistic Regression for 3000+ clients.
- Created detailed reports for senior management to improve risk control.

Jul'22-Jul'23: Automation Analyst

- Orchestrated automation of a high-level banking process, saving over 400 man-hours per month in managing $40 billion in assets and liabilities.
- Developed and deployed 10+ interactive Tableau Dashboards for efficient visualization of key performance indicators.
- Devised a comprehensive automated workflow for Vintage Curves, Moving Delinquency curves, and Portfolio Cuts.
- Implemented a centralized system for secure data authentication code script management.

Dec'22-Jul'23: Financial Analyst

- Streamlined branch-level profitability assessment by introducing an Excel-independent analytical dashboard with direct data sourcing, reducing errors and saving 100 man-hours.
- Developed a composite scoring system based on 20+ criteria for efficient branch profitability estimation.

- Formulated cash-flow-based valuation models for retail assets valued over 2 billion USD.
- Created customer cohorts using 10+ dimensions to assess creditworthiness.
- Conducted quantitative analysis on a 6-year historical dataset to uncover patterns and anomalies.
- Collaborated with clients and stakeholders to manage expectations and deliverables.

Jun'21-Jul'22: Seasia Infotech
Data Analyst

Jun'22-Jul'23: Data Analyst
- Enhanced recovery strategies with advanced analytics, increasing recovery rates by 15%.
- Customized collection scoring systems led to a 25% reduction in costs and a 95% accuracy rate.
- Automated communication processes resulted in a 50% higher response rate from delinquent accounts.
- Effective account allocation to agencies increased recovery operation efficiency by 15%.

💼 Internships

Jan'21-Jun'21: AlmaConnect
Operations Analyst Intern

Jan'21-Jun'21: Operations Analyst Intern
- Optimized platform operations for improved user experiences, leading to an expanded customer base, high retention rates, and efficient platform performance.
- Collaborated with the tech team to create an AI model for retrieving real-time news about Client Organizations' Alumni, using Open APIs and trained NLP models to filter relevant news.

Aug'20-Dec'20: Kovax Abrasives
Data Analyst Intern

Aug'20-Dec'20: Operations Analyst Intern
- Analyzed import data in the paint retail sector to identify industry leaders and sourcing opportunities, creating analytical dashboards for valuable insights.
- Led the development of a strategic go/no-go strategy, assisting Kovax in making informed decisions for market entry and business expansion.
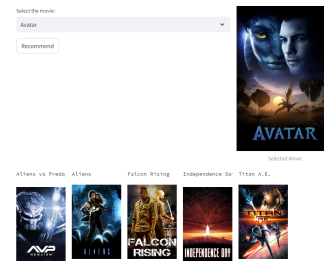
🖥️ Projects

Content Based Recommendation System

- Data Gathering - https://www.kaggle.com/datasets/tmdb/tmdb-movie-metadata/data
- Data Preprocessing 1 - Pandas, Numpy
- Data Preprocessing 2 - CountVectorizer (Bag of Words)
- Distance Estimator - Cosine Similarity
- GUI - Streamlit
- GUI API - https://api.themoviedb.org

Interactive Web Application - Real Time Drawing Classifier

- Basic Implementation using following features:
  - o   **- Height**
  - o   **- Width**
  - o   **- Elongation**
  - o   **- Roundness**
  - o   **- Pixel Density (**to identify the details**)**.
- **kNN** is used for classification in the Basic Implementation.
- Advanced Implementation using Neural Networks:
- considers the 5 features as input and gives one of the 8 categories as output.
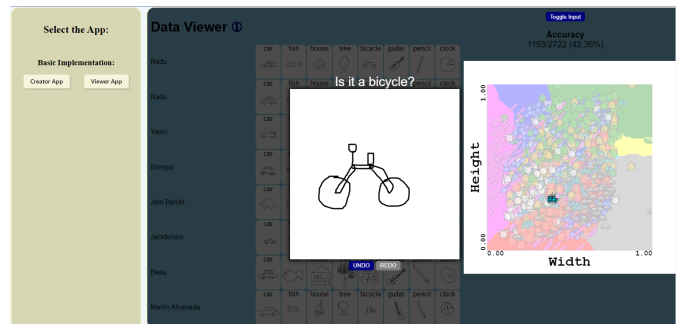
Interactive Web Application - Self Driving Car

- An implementation of Neural Networks in Self Learning Car.
- Incorporation of three interactive buttons for user control:
  - o   Use the optimized Learned Network
  - o   Save the current Learned Network
  - o   Delete the current Learned Network
- **Mathematical Models** used:
  - o   Point of Intersection of two lines - Object Intersection Detection & offset Calculation
  - o   Linear Interpolation - Sensor to Object Distance Calculation
  - o   Polygon Intersection - Collision Detection
- **Real Time Neural Network Visualization**
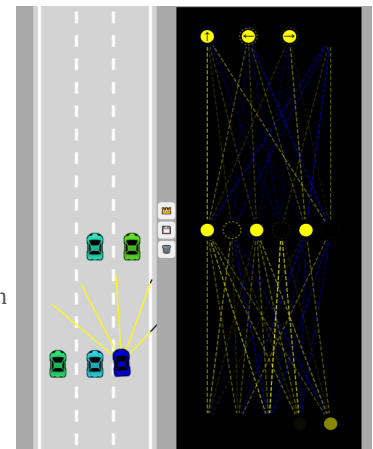
📇 Personal Details

Address: Panchkula, Haryana 134113
Languages Known: Hindi, English, French