RISHAB KUMAR

Harnaut, Nalanda, Bihar 803110

✉ kumarrishab205@gmail.com   in linkedin.com/in/rishab-kumar-a242b0249   github.com/RishabKrPandey

Education

Indian Institute Of Technology Madras   May. 2021 – Present
Bachelor of Science in Data Science and Its Application   *Chennai, Tamil Nadu*

Projects

Customer Behavior and Revenue Optimization | *Python, NumPy, Pandas, Scikit-Learn, MatPlotLib*
- Analyzed customer data to identify high-value segments and optimize revenue for a leading omnichannel retailer.
- Implemented RFM Analysis (Recency, Frequency, Monetary) for customer segmentation and utilized Python for channel/product trend analysis.
- Found that **20% of customers** (*"Champions"* and *"Loyal"*) contribute over **60% of total revenue**. Identified the **Android App** as the dominant revenue channel (**3x higher** than the next).

Diabetes Prediction Web Application (Deployed) | *Python, NumPy, Scikit-learn, Hugging Face Space, Dockerfile*
- Built and deployed a machine learning model for diabetes prediction using patient health data.
- Live web application hosted on Hugging Face Spaces for interactive user classification.
- Achieved accuracy of **0.73** .
- Link : Project Link

Kaggle Competition (Engage2Value: From Clicks to Conversions) | *Python, NumPy, Scikit-learn, Matplotlib, Seaborn*
- Implemented LightGBM with Tweedie for predicting Purchase Value.
- Achieved accuracy of **0.677** , ranking of **179** on the leaderboard.
- Notebook : Project Link

Library Management System | *Python, Flask, SQLite, HTML, CSS*
- Developed a web application using Flask, HTML and CSS
- Implemented authentication and authorization for multi-user app
- Implemented user approval system by admin

Household Service Application | *Python, Flask, VueJS, SQLite, ChartJS, Redis, Celery*
- Developed a multi-user full-stack web application using Flask for API, VueJS as the frontend and SQLite for data storage.
- Implemented Role-based Access Control using Flask-Security.
- Visualized user stats using ChartJS.
- Used Celery and Redis for asynchronous tasks.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Jupyter
Technologies: VueJS, Flask, Flask-RESTful, Redis, Celery
Libraries: Pandas, NumPy, Scikit-Learn, MatPlotLib

Miscellaneous

Leadership: Secretary - Quiz Society (2023-24)
Interests: Volleyball, Javelin