Rajvendra Rahi

% +91 8109204371

@ rajvendrarahi126@gmail.com

Profiles

in Rajvendra Rahi

LinkedIn

🞧 Rajvendra Rahi

GitHub

Education

Barkatullah University (BUIT)

Computer Science Engineering

7.2

2020 - 2024

B.Tech

Marksheets

Skills

Programming Languages & Tools

Python - 4.7 | PostgreSQL - 4.0 | MySQL - 4.0 | Pandas - 4.2 | Numpy - 4.0 | TensorFlow - 4.0 | Scikit-learn - 4.1

Data Visualization

Microsoft Power BI, Tableau, Seaborn, Matplotlib, Word Cloud

Data Management & Analysis

Excel, Power Query Editor, DAX

Machine Learning & AI

Machine Learning, Feature Engineering, Statistics, Deep Learning, NLP (Natural Language Processing)

Achivements

Websites / Softwares

Data Cleaning With AI

Launched and developed a data cleaning specialised software tailored to enhance workflow efficiency for data scientists.

(Bundli Kissan) Android app

M.P. Government

2023

Developed a fully functional app for **Krishi Vigyan Kendra (M.P. Government)** increased users by 40%.

Certifications

Advanced Certification in Full Stack Data Science & AI

Indian Institute of Technology (IIT)

Dec 2024

AlmaBetter/IIT Verified

Completed Certification in **Artificial Intelligence and Full Stack Data Science**

As a data scientist with expertise in Python, SQL, Excel, Power BI, Tableau, and machine learning, I have a strong background in analyzing complex datasets to derive actionable insights that drive business decision-making. With a focus on data visualization, statistical analysis, and advanced analytics, I am skilled in translating data into valuable solutions. Passionate about solving real-world problems through data-driven approaches, I am excited to continue advancing my career in data science and contribute to impactful, data-informed decision-making.

Training Experience

AlmaBetter

Jan 2024 - Present

Data Scientist Trainee

Bengaluru (Remote)

- Trained and optimized machine learning models utilizing algorithms such as Linear Regression, KNN, Decision Trees, and XGBoost; achieved classification accuracy of 87%
- Cultivated strong collaboration skills through participation in multidisciplinary projects, resulting in a 15% increase in team output and the successful completion.

Projects

Artificial Neural Network From Scratch

Feb 2025

 $Python\,,\,Numpy\,,\,Matplotlib$

- AlmaBetter/IITVerified
- Created a artificial neural network from scratch only using python and numpy, with forward and back propagation
- Also created a small framework like tensor flow using oops in which deep fully connected neural networks can be created.
- Using my custom neural network i was get 99.3 % accuracy on a spiral data set which is a classification dataset
- And i have also created cross entropy loss function which i was able to reduce to about 0.0318 at epoch 99800

Credit Score Prediction

Oct 2024

Feb 2024

Oct 2024

Python , Sklearn , Logistic Regression

AlmaBetter/IITVerified

- Applied robust data cleaning, visualization, and feature extraction techniques to improve the accuracy of predicting user credit scores by 15%.
- Implemented machine learning models such as Logistic Regression and Random Forest, optimizing hyper parameters to enhance model performance and stability.

Book Recondamation System

Cosine Similarity

AlmaBetter Certified Project

- Developed a high-accuracy Book Recommendation System using Python, achieving a **90%** accuracy rate in book recommendations by implementing **cosine similarity.**
- Utilized data processing and machine learning libraries, including Pandas, NumPy, and scikit-learn, to efficiently preprocess large datasets and build recommendation models.
- Evaluated and **fine-tuned** the model using metrics such as **precision**, **recall**, and **cosine similarity** scores to maximize recommendation quality and maintain a user-focused experience.

Sky Analytics Airline and Airport Operations Analysis: MS Excel

Pivot Tables, Power Query, Data Analysis, Data Visualization

AlmaBetter Verified Project

- Leveraged advanced Excel techniques for an in-depth analysis of approximately **70,000** flight records, examining delays, cancellations, **airline performance**, and airport traffic.
- Developed functional dashboards that revealed key insights, including that 3.91% flights got canceled, while 49.05% got delayed. The dashboards also identified top-performing airlines.