BHARGAV RAVI

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SUMMARY

Proactive Data Science student with expertise in Python, SQL, and AI-driven analytics. Currently pursuing an MSc in Data Science and Analysis at EPITA, Paris, with hands-on experience in dashboard development, data optimization, and AI technology integration. Skilled in providing actionable insights and supporting cross-functional teams with data-driven recommendations. Passionate about leveraging AI for scalable solutions and enhancing digital transformation processes.

TECHINCAL SKILLS

Programming Languages : Python, SQL, R

Frameworks : Flask, Tensorflow, Pytroch, StreamLit, API

Libraries : Scikit-learn, Keras, Matplotlib, Plotly, Seaborn, Numpy, Pandas

Tools : Git, MLflow, Airflow, Docker, AWS, Excel, Power BI, Grafana

Coursework : Data Analytics, Machine Learning, Deep Learning, NLP, MLOPS, DBMS

EXPERIENCE

Graduate Researcher — Paris, France
École Pour l'Informatique et les Techniques Avancées (EPITA) — (Sep 2023- July 2024)

- Designed and maintained dashboards using Power BI to monitor and visualize key metrics supporting cross-functional teams in decision-making processes.
- Wrote and optimized SQL queries to extract and analyze data for internal control use cases.
- Built data pipelines to ensure data accuracy and consistency for compliance-related operations.

EDUCATION

École Pour l'Informatique et les Techniques Avancées — Paris, France
MSc. Data Science and Analysis (DSA) — (2023 - 2024)

Cambridge Institution of Technology — Bangalore, Karnataka, India
B.E Computer Science — (2018 – 2022)

PROJECTS

Travel Agent Chatbot — Python, JavaScript, TensorFlow, Pytorch, Scrapy, HTML, CSS, React.js — Source code

- Developed a travel agent chatbot utilizing fine-tuned BERT and BLSTM models, enhancing natural language understanding and query resolution by **40%.**
- Integrated LangChain and vector databases for real-time personalized travel recommendations, improving response time by **35%**.
- Optimized NLP techniques for efficient itinerary generation, significantly enhancing user satisfaction in the travel industry.

Car Price Prediction — Python, Streamlit, FastAPI, PostgreSQL, Airflow, Great Expectations, Grafana — Source Code

- Developed a scalable web application for price prediction using SQL-based data pipelines and API integration.
- Created dashboards for visualizing trends and monitoring model accuracy with tools like Grafana.
- Ensured robust data quality checks and compliance with industry standards using Airflow and Great Expectations.

House Price Prediction Industrialization — Python, SQL, ML Libraries — Source Code

- Implemented end-to-end industrialization of a Machine Learning model for predicting house prices. Utilized Python, pandas, and Scikit- learn to create a robust and scalable solution.
- The project involved several steps including data pre-processing, model building, model evaluation, and inference.

SOFT SKILLS

- Problem-Solving
- Analytical Thinking
- Attention to Detail and Quality Optimization
- Independent and Proactive Work Ethic

LANGUAGES

- French (A2)
- English (C1)
- Kannada (C2)