

PRAKASH.P

Data Scientist

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Profile

Dynamic Data Analyst specializing in data visualization and analysis using Excel, SQL, and Tableau. Adept at extracting actionable insights from complex datasets to drive pivotal business outcomes. Experienced in creating comprehensive dashboards to meet stakeholder and manager requirements. Proven track record in enhancing data accuracy and delivering high-quality data solutions across various industries.

Skills

Programming Languages

Python | C | C++ | Java | SQL | NoSQL (MongoDB) | HTML | CSS

Data Analysis

Excel | Tableau | Power BI | SQL Queries | Data Cleaning | Data Transformation

Machine Learning

Supervised Learning | Unsupervised Learning | Ensemble Methods | Time Series | Model Evaluation and Validation | Feature Engineering | Hyperparameter Tuning | Model Deployment

NLP: Sentiment Analysis & Chatbots

Text Preprocessing | Text Classification | BERT | Rasa | Dialogflow

Deep Learning

Neural Networks | CNN | Generative Adversarial Network

Generative AI

Gemini | OpenAI | LangChain | Chroma | fssai | Huggingface

Deployment

MLOps | AWS SageMaker | S3 Bucket | Streamlit | FastAPI | Uvicorn | Postman

Data Engineering

Big Data Technologies | Hadoop | Spark | AWS

Libraries

Pandas | NumPy | Sklearn | TensorFlow | keras | Matplotlib | Seaborn | Genism | NLTK | SpaCy

Tools

Jupyter Notebook | PyCharm | ChatGPT | AI PowerPoint Presentation | Google Colab

Soft Skills

Continuous Learning | Collaboration | Problem-Solving | Time Management | Adaptability | Communication

Education

Bachelor of Engineering | Electronics Communication Engineering, Anna University

Mar 2017 – Apr 2021 | India

Professional Experience

Data Analyst, Hexaware Technologies

Mar 2022 – Feb 2023 | Coimbatore, India

- Fetched and processed data from SQL databases, creating insightful and interactive dashboards using Excel and Tableau to support decision-making for stakeholders and managers.
- Conducted thorough data cleaning and preprocessing, significantly improving data quality and model performance, leading to a 25% increase in data accuracy and 30% enhancement in model efficiency.
- Analyzed and interpreted complex datasets, providing actionable insights that drove a 20% business growth through data-driven decision-making and strategy optimization.

Projects

Optimizing Workforce Management with Power BI

Jun 2024 – Jul 2024

- Our Presence Insights Dashboard transforms raw attendance data into actionable insights. Leveraging Power BI, it dynamically visualizes employee presence, WFH trends, and sick leave patterns, empowering organizations to enhance productivity and optimize workforce management.

RockyBot: News Research Tool

Jun 2024 – Jul 2024

Developed RockyBot, a news research tool using Python, Streamlit, and Google's Gemini API. Achieved 95% user satisfaction and boosted research efficiency by 40% through advanced text processing and embeddings, improving information retrieval accuracy by 20%.

Retail Recommendation System

Apr 2024 – May 2024

- Developed a retail recommendation system using collaborative, content-based, and hybrid filtering. Leveraged Python, Surprise, and Scikit-learn to achieve an RMSE of 2.95, boosting revenue by 20% and improving recommendation precision by 15%.

Courses

Data Analysis & Data Science Bootcamp, Golden Gate University With UpGrad

Sep 2023 – Apr 2024 | India

Awards

Data Science Hackathon, UpGrade

15 Apr 2024

- Mastered and deployed state-of-the-art advanced machine learning models, securing 3rd place in a fiercely competitive Data Science Hackathon, underscoring exceptional expertise and innovation.