

Praful Raj

Phone: (+91) 98765-43211 | Email: praful.raj@example.com

Summary

Data Analytics and Machine Learning professional with an MS in Data Analytics and 4+ years of hands-on experience in Generative AI and Machine Learning. Proficient in designing, training, and deploying machine learning models to drive business insights, process automation, and decision-making. Passionate about leveraging advanced AI techniques and predictive analytics to solve complex problems and enhance organizational efficiency.

Professional Experience

AI/ML Specialist

AI Solutions Pvt. Ltd. – Bangalore, India

January 2020 – Present

- Spearheaded AI and machine learning projects for automating business processes, including predictive maintenance and customer churn prediction.
- Developed and fine-tuned machine learning models such as regression, decision trees, and neural networks to enhance data-driven business strategies, achieving a 35% improvement in operational efficiency.
- Utilized Generative AI models like GPT and BERT for content generation, natural language processing, and improving customer experience through chatbot implementation.
- Collaborated with engineering teams to integrate machine learning algorithms into production environments, ensuring scalability and performance optimization.
- Mentored junior data scientists in model selection, evaluation techniques, and the application of AI in real-world business problems.

Machine Learning Engineer

Innovate Analytics – Pune, India

July 2018 – December 2019

- Designed and deployed machine learning models for predictive analytics and business forecasting, leading to a 20% reduction in operational costs.
 - Built data pipelines for large-scale machine learning projects, automating data collection, cleaning, and preprocessing workflows.
 - Worked closely with stakeholders to understand business challenges and proposed machine learning solutions to address problems such as customer segmentation and sales forecasting.
 - Conducted root cause analysis and presented actionable insights using visualization tools like Tableau and PowerBI, which led to improved decision-making across departments.
-

Education

Master of Science in Data Analytics

Indian Institute of Technology (IIT), Delhi – Delhi, India
2018

Technical Skills

- **Machine Learning:** Regression, Decision Trees, Random Forests, Neural Networks, XGBoost, K-Means Clustering
 - **Generative AI Tools:** GPT models, DALL-E, BERT, Transformer models
 - **Programming Languages:** Python, R, SQL, BigQuery
 - **Data Analytics & Processing:** ETL, Data Wrangling, Data Cleansing, Feature Engineering
 - **Visualization:** Tableau, PowerBI, Looker, Streamlit, Dash, Matplotlib, Seaborn
 - **Cloud Technologies:** AWS, Google Cloud (GCP) – Machine Learning & Data Pipelines
-

Certifications

- Certified Machine Learning Professional – Google Cloud Platform
 - Advanced Machine Learning with TensorFlow – Coursera
 - Certified Data Scientist (CDS)
-

Projects

- **Customer Churn Prediction Model:** Built and deployed a machine learning model using Random Forest and XGBoost to predict customer churn with 92% accuracy, reducing customer loss by 15%.
- **AI-Powered Chatbot for E-commerce:** Developed a generative AI-based chatbot using GPT-3 for a retail client, increasing customer engagement and reducing response time by 40%.
- **Sales Forecasting Model:** Designed a time-series forecasting model for accurate sales prediction, resulting in a 25% improvement in inventory management.