

John Doe

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Professional Summary

Data Scientist with 5 years of experience in data science, machine learning, and AI-driven product development. Proven expertise in building predictive models, deep learning architectures, and data pipelines that support business intelligence and product innovation. Strong background in Python, SQL, cloud platforms (AWS, GCP, Azure), and visualization tools. Adept at solving complex problems with statistical modeling, natural language processing, and recommendation systems. Experienced in leading cross-functional teams and delivering insights that improve decision-making, optimize operations, and enhance customer experience.

Core Skills

- Programming & Tools: Python, R, SQL, JavaScript, React, Node.js, Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Keras
- Machine Learning: Regression, Classification, Clustering, Time Series Forecasting, Ensemble Learning, Deep Learning (CNN, RNN, LSTM)
- Data Engineering & Pipelines: ETL Development, Apache Spark, Airflow, Data Warehousing, BigQuery
- NLP & AI: Text Mining, Sentiment Analysis, Topic Modeling, Chatbots, Transformer Models (BERT, GPT)
- Visualization & BI Tools: Matplotlib, Seaborn, Plotly, Power BI, Tableau, Dash
- Cloud & Databases: AWS (S3, Redshift, SageMaker), GCP, Azure, PostgreSQL, MySQL, MongoDB
- Other: A/B Testing, Experiment Design, Statistical Inference, Agile/Scrum, API Development

Professional Experience

Data Scientist — TechNova Solutions, Bengaluru | Jan 2022 – Present

- Built and deployed machine learning models that improved customer retention by 18% and reduced churn rate.
- Designed a recommendation system using collaborative filtering and deep learning, increasing user engagement by 25%.
- Developed real-time dashboards using React, Plotly, and Python backend, enabling leadership to monitor 50+ KPIs across departments.
- Automated ETL workflows for structured and unstructured datasets using Python, SQL, and Airflow, reducing data preparation time by 40%.
- Implemented NLP-based sentiment analysis pipeline for social media data, improving brand monitoring and marketing insights.
- Mentored 4 junior data scientists and collaborated with a team of 14 professionals across data engineering and software development.

Data Analyst — Insight Analytics, Mumbai | Jul 2019 – Dec 2021

- Conducted exploratory data analysis (EDA) and feature engineering on datasets exceeding 50M records, leading to actionable insights.
- Designed predictive sales models (XGBoost, Random Forest) that improved forecasting accuracy to 92%.

- Automated BI reports in Power BI and Tableau, increasing reporting efficiency for 20+ stakeholders.
- Developed A/B testing frameworks for marketing campaigns, optimizing ad spend and improving conversion rates by 12%.

Education

- Master of Science in Data Science — IIT Bombay, 2019
- Bachelor of Technology in Computer Science — NIT Trichy, 2017

Key Projects

- Customer Churn Prediction: Built predictive models using Random Forest & Gradient Boosting with 85%+ accuracy; deployed using Flask API on AWS.
- Sentiment Analysis Dashboard: Implemented NLP pipeline with BERT transformers for real-time sentiment tracking; built dashboard using React + Python backend.
- Fraud Detection System: Designed anomaly detection models for financial transactions, reducing false positives by 30%.
- Recommendation Engine: Created deep learning-based recommendation system (Autoencoders) for an e-learning platform, boosting engagement by 25%.
- Time Series Forecasting: Developed ARIMA and LSTM models for demand forecasting, improving inventory planning efficiency by 15%.

Certifications

- Google Data Analytics Professional Certificate (2020)
- AWS Certified Machine Learning – Specialty (2021)
- TensorFlow Developer Certificate (2022)
- Tableau Desktop Specialist (2021)

Additional Information

- Languages: English (Fluent), Hindi (Fluent)
- Strong analytical, leadership, and cross-functional collaboration skills
- Open to relocation and remote opportunities