

Arjun Patel — Data Scientist

Years of Experience: 8
Associate in Electrical Engineering

ARJUN PATEL
DATA SCIENTIST
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SUMMARY

Results-driven Data Scientist with 8 years of progressive experience in electrical engineering, data analytics, and machine learning across diverse industries. Demonstrated expertise in designing predictive models, extracting actionable insights, and translating complex technical concepts into business value.

- Python, R, SQL, Tableau, Hadoop, Spark
- TensorFlow, PyTorch, scikit-learn
- Machine Learning, Deep Learning, Predictive Modeling, Statistical Analysis
- Feature Engineering, Model Deployment, Model Monitoring, A/B Testing
- Agile Methodologies
- PCB Design, Signal Integrity, Electronic Design Automation (EDA)

EXPERIENCE

- Designed and optimized analog and digital circuit boards for consumer electronics, achieving a 15% reduction in power consumption.
- Conducted PCB layout and signal integrity testing; collaborated with cross-functional teams to meet production timelines.
- Collected, cleaned, and analyzed large datasets using SQL and Python to uncover operational efficiencies.
- Developed dashboards in Tableau that tracked key performance indicators for clients; presented findings to stakeholders and recommended process improvements.
- Developed and deployed predictive maintenance models to forecast equipment failure, reducing downtime by 20%.
- Implemented supervised learning algorithms with scikit-learn and deep learning models using TensorFlow.
- Optimized model pipelines using PySpark.
- Built end-to-end data science solutions for a subscription-based SaaS platform, including customer churn prediction and recommendation engine.
- Designed feature engineering pipelines, conducted A/B testing, and presented actionable insights to product managers.
- Managed model monitoring, retraining, and performance metrics.

EDUCATION

Associate of Applied Science, Electrical Engineering
Lakeview Technical College, Springfield, IL - 2014

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