

Dr. Priya Patel

Lead Data Scientist | 8 years experience

Contact: priya.patel@email.com | Atlanta, GA

Education:

- PhD in Operations Research, Georgia Institute of Technology (2016)
- MS in Industrial Engineering, Georgia Tech (2013)
- BS in Mathematics, Indian Institute of Technology (2011)

Experience:

Lead Data Scientist - Home Depot (2021-Present)

- Lead data science initiatives for supply chain optimization
- Developed ML models for demand forecasting across 2000+ stores
- Built recommendation systems for product discovery and cross-selling
- Managed team of 6 data scientists and established ML best practices
- Created automated pricing algorithms for dynamic pricing strategy

Senior Data Scientist - Delta Air Lines (2018-2021)

- Developed revenue management models for flight pricing optimization
- Built predictive models for flight delay and cancellation forecasting
- Created customer segmentation models for personalized marketing
- Implemented real-time recommendation systems for ancillary services

Data Scientist - UPS (2016-2018)

- Developed route optimization algorithms for package delivery
- Built predictive models for delivery time estimation
- Created demand forecasting models for logistics planning
- Implemented machine learning solutions for warehouse automation

Technical Skills:

- Programming: Python, R, SQL, Java
- ML: scikit-learn, TensorFlow, XGBoost, PyTorch
- Optimization: Gurobi, CPLEX, OR-Tools
- Cloud: AWS, Azure, GCP
- Big Data: Spark, Hadoop, Databricks
- Databases: PostgreSQL, MySQL, Redshift

Publications: 6 papers in operations research and machine learning journals