Priya Patel

http://www.priyapatelworks.com

Email : priya@patelworks.com
Mobile : +1-345-678-9012

EDUCATION

MIT — Cambridge, MA
Master of Science in Data Science; GPA: 4.00 — *Sep. 2014 – Dec. 2015*

Anna University — Chennai, India
Bachelor of Engineering in Computer Science; GPA: 3.80 (9.50/10.0) — *Aug. 2010 – July. 2014*

EXPERIENCE

Facebook — Menlo Park, CA
Data Engineer — *Jan. 2018 – Present*

- **Graph Analytics**: Developed and optimized graph-based algorithms for social network analysis, leveraging large-scale data to improve ad targeting precision by 20% and enhance user engagement metrics
- **Data Pipelines**: Designed and implemented streaming data pipelines using Kafka, handling millions of events per second, reducing latency by 40% and enabling real-time analytics for ad campaigns
- **Dashboards**: Created and maintained real-time monitoring dashboards for ad performance, integrating with internal tools to provide actionable insights and improve campaign efficiency by 25%

Uber — San Francisco, CA
Software Engineer — *Mar. 2016 – Dec. 2017*

- **Geo Analytics**: Developed geospatial analysis tools for ride optimization, integrating real-time traffic data to improve route efficiency and reduce trip times by 15%
- **ETL Systems**: Built and maintained ETL pipelines for driver data using Airflow and BigQuery, ensuring seamless data integration across platforms and reducing data errors by 30%
- **API Development**: Designed and deployed REST APIs for real-time trip data access, enabling third-party integrations and improving data accessibility for analytics teams
- **Fraud Detection**: Developed and implemented anomaly detection models for payment systems, leveraging machine learning to reduce fraudulent transactions by 20%

Open Source Contributions — Remote
Contributor — *2015 – 2017*

- **NLP Libraries**: Contributed advanced text processing features to spaCy, including tokenization and entity recognition, adopted by numerous NLP applications
- **Visualization**: Developed Vega.js components for interactive charts, enabling dynamic visualizations for time-series data in over 300 projects
- **Blogging**: Authored over 45 detailed blog posts on data engineering best practices, focusing on scalable pipelines and cloud architectures

ZS Associates — Evanston, IL
Data Analyst — *Summer 2014*

- **Predictive Models**: Built and fine-tuned churn prediction models for retail clients, achieving 85% accuracy and enabling targeted retention strategies
- **Reporting Tools**: Developed and automated reporting systems for sales data, integrating with Tableau to provide real-time insights for client decision-making

PROJECTS

- **Sentiment Analysis**: Built a sentiment analysis tool for social media data
- **Interactive Maps**: Created geospatial visualizations for urban planning
- **Forecasting Model**: Designed a time-series forecasting system for logistics
- **Data Integration**: Developed an ETL pipeline for cross-platform data syncing

PROGRAMMING SKILLS

- **Languages**: Python, Scala, SQL, R, JavaScript   **Technologies**: AWS, Kafka, Tableau, BigQuery, Hadoop