

# Kiran Malhotra

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## EDUCATION

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- **University of Texas** Austin, TX  
*Master of Science in Data Science; GPA: 3.90* *Sep. 2013 – Dec. 2014*
- **IIT Bombay** Mumbai, India  
*Bachelor of Technology in Computer Science; GPA: 3.80 (9.50/10.0)* *Aug. 2009 – July. 2013*

## EXPERIENCE

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- **IBM** Austin, TX  
*Data Engineer* *Jun. 2018 – Present*
  - **Watson AI:** Developed and deployed AI services for Watson, integrating advanced NLP models to improve accuracy by 20% and enhance user interaction for enterprise clients
  - **Data Pipelines:** Built and optimized ETL pipelines for analytics using Apache NiFi, processing large-scale datasets to support real-time insights and reduce latency by 35%
  - **Dashboards:** Created and maintained monitoring dashboards for AI performance, integrating with internal tools to provide actionable insights and improve operational efficiency
- **PayPal** San Jose, CA  
*Software Engineer* *Jan. 2015 – May. 2018*
  - **Fraud Detection:** Developed and implemented anomaly detection models for transaction monitoring, leveraging machine learning to reduce fraudulent transactions by 20% and improve security
  - **ETL Pipelines:** Built and optimized data pipelines for payment data using Kafka, ensuring seamless data integration and reducing processing errors by 30%
  - **APIs:** Designed and deployed REST APIs for real-time analytics, enabling third-party integrations and improving data accessibility for analytics teams
  - **Analytics Platform:** Created a robust platform for transaction analytics, streamlining data processing and enabling real-time insights for business decisions
- **Open Source Contributions** Remote  
*Contributor* *2014 – 2017*
  - **ML Libraries:** Contributed to TensorFlow for distributed training, adding features for large-scale model optimization used in production environments
  - **Visualization:** Developed Plotly components for data visualization, enabling interactive charting for over 400 open-source projects
  - **Bloggng:** Authored over 50 technical blog posts on AI, data engineering, and scalable systems, widely read in the tech community
- **Mu Sigma** Bangalore, India  
*Data Analyst* *Summer 2013*
  - **Risk Models:** Built and validated risk assessment models for finance clients, achieving high accuracy and enabling data-driven investment strategies
  - **Reporting:** Developed and deployed Tableau dashboards for client reporting, automating data visualization and improving reporting efficiency

## PROJECTS

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- **Anomaly Detection:** Built a system for fraud detection in payments
- **Visualization Tool:** Created dashboards for transaction analytics
- **Prediction Model:** Designed a churn prediction system for fintech
- **ETL Pipeline:** Developed a scalable data integration framework

## PROGRAMMING SKILLS

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- **Languages:** Python, Java, SQL, JavaScript, Scala
- **Technologies:** AWS, Kafka, Tableau, Hadoop, Spark