

## EDUCATION

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- **University of Washington** Seattle, WA  
*Master of Science in Data Science; GPA: 3.90* *Sep. 2013 – Dec. 2014*
- **IIT Madras** Chennai, India  
*Bachelor of Technology in Computer Science; GPA: 3.80 (9.50/10.0)* *Aug. 2009 – July. 2013*

## EXPERIENCE

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- **Amazon** Seattle, WA  
*Data Engineer* *Apr. 2018 – Present*
  - **AWS Redshift:** Optimized data warehousing solutions with AWS Redshift, implementing partitioning and indexing strategies to reduce query times by 30% and improve analytics performance
  - **Data Pipelines:** Designed and deployed ETL pipelines for real-time analytics using Kinesis, processing large-scale datasets to support inventory tracking and reduce data latency by 35%
  - **Dashboards:** Created and maintained BI dashboards for inventory tracking, integrating with internal tools to provide real-time insights and improve operational efficiency by 25%
- **Twitter** San Francisco, CA  
*Software Engineer* *Jan. 2015 – Mar. 2018*
  - **Ad Analytics:** Developed advanced analytics tools for ad performance, leveraging machine learning to optimize targeting and increase ad revenue by 15%
  - **Streaming Data:** Built and optimized streaming pipelines for tweet data using Storm, handling millions of events daily and reducing processing latency by 30%
  - **APIs:** Designed and deployed REST APIs for real-time analytics, enabling seamless data access for internal tools and third-party integrations
  - **Fraud Detection:** Developed and implemented anomaly detection models for bot detection, leveraging machine learning to reduce fraudulent accounts by 20%
- **Open Source Contributions** Remote  
*Contributor* *2014 – 2017*
  - **ML Libraries:** Contributed to XGBoost for gradient boosting, adding features for large-scale model training used in production environments
  - **Visualization:** Developed Chart.js components for data visualization, enabling interactive charting for over 400 open-source projects
  - **Blogging:** Authored over 50 technical blog posts on data pipelines, machine learning, and scalable systems, widely read in the tech community
- **Capgemini** Chicago, IL  
*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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- **Fraud Detection:** Built an anomaly detection system for payments
- **Visualization:** Created tools for real-time data visualization
- **Forecasting:** Designed a demand forecasting model for retail
- **ETL Pipeline:** Developed a scalable data integration framework

## PROGRAMMING SKILLS

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