

## EDUCATION

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- **Columbia University** New York, NY  
*Master of Science in Computer Science; GPA: 3.95* *Sep. 2014 – Dec. 2015*
- **BITS Pilani** Pilani, India  
*Bachelor of Engineering in Computer Science; GPA: 3.75 (9.38/10.0)* *Aug. 2010 – July. 2014*

## EXPERIENCE

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- **Netflix** Los Gatos, CA  
*Software Engineer* *May. 2018 – Present*
  - **Recommendation Systems:** Improved content recommendation algorithms using deep learning, boosting viewer engagement by 15% and enhancing content discovery across platforms
  - **Data Pipelines:** Built and optimized streaming pipelines for viewer data using Kafka, processing millions of events daily to support real-time analytics and reduce latency by 30%
  - **Dashboards:** Created and maintained analytics dashboards for content performance, integrating with internal tools to provide actionable insights and improve content strategy
- **Adobe** San Jose, CA  
*Software Engineer* *Feb. 2016 – Apr. 2018*
  - **Analytics Tools:** Developed advanced analytics tools for marketing campaigns, leveraging machine learning to improve customer segmentation and increase campaign ROI by 15%
  - **ETL Pipelines:** Built and optimized data pipelines for customer data using Airflow, ensuring seamless data integration and reducing processing errors by 30%
  - **APIs:** Designed and implemented REST APIs for real-time data access, enabling third-party integrations and improving data accessibility for analytics teams
  - **Automation:** Automated data processing and validation workflows, leveraging Python and Jenkins to save 25 hours/week and streamline operations
- **Open Source Contributions** Remote  
*Contributor* *2015 – 2018*
  - **ML Libraries:** Contributed to LightGBM for faster model training, adding features for large-scale datasets used in production environments
  - **Visualization:** Developed D3.js components for interactive charts, enabling dynamic visualizations for over 300 open-source projects
  - **Blogging:** Authored over 45 technical blog posts on data science, machine learning, and scalable architectures, widely read in the tech community
- **Tiger Analytics** Chicago, IL  
*Data Scientist* *Summer 2014*
  - **Predictive Models:** Built and fine-tuned predictive models for customer retention, achieving high accuracy and enabling targeted marketing strategies
  - **Reporting:** Developed and automated reporting tools for client analytics, integrating with Tableau to provide real-time insights

## PROJECTS

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- **Recommendation Engine:** Built a content recommendation system
- **Visualization Tool:** Created dashboards for viewer analytics
- **Forecasting Model:** Designed a viewership prediction system
- **ETL Framework:** Developed a pipeline for multi-source data integration

## PROGRAMMING SKILLS

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