Aditya Joshi

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EDUCATION

University of California, San Diego
San Diego, CA
Master of Science in Computer Science; GPA: 3.95
Sep. 2014 – Dec. 2015

IIT Delhi
Delhi, India
Bachelor of Technology in Computer Science; GPA: 3.75 (9.38/10.0)
Aug. 2010 – July. 2014

EXPERIENCE

Airbnb
San Francisco, CA
Software Engineer
Sep. 2018 – Present

- **Search Algorithms**: Improved search ranking algorithms by integrating user behavior data, increasing booking conversions by 15% and enhancing search relevance across platforms
- **Data Pipelines**: Built and optimized streaming pipelines for booking 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 host performance, integrating with internal tools to provide actionable insights and improve operational efficiency

Etsy
New York, NY
Software Engineer
Feb. 2016 – Aug. 2018

- **Recommendation Engine**: Developed advanced recommendation tools for product suggestions, leveraging machine learning to improve sales conversions and increase revenue by 15%
- **ETL Pipelines**: Built and optimized data pipelines for sales data using Airflow, 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 seller analytics, streamlining data processing and enabling real-time insights for business decisions

Open Source Contributions
Remote
Contributor
2015 – 2018

- **ML Libraries**: Contributed to scikit-learn for model evaluation, 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 40 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

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

PROGRAMMING SKILLS

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