Rohan Mehra

http://www.rohanmehra.io

Email : rohan@mehratech.io
Mobile : +1-901-234-5678

EDUCATION

University of Michigan — Ann Arbor, MI
Master of Science in Computer Science; GPA: 3.95 — *Sep. 2014 – Dec. 2015*

NIT Surathkal — Surathkal, India
Bachelor of Technology in Computer Science; GPA: 3.75 (9.38/10.0) — *Aug. 2010 – July. 2014*

EXPERIENCE

Spotify — New York, NY
Software Engineer — *Jul. 2018 – Present*

- **Recommendation Systems**: Improved music recommendation algorithms using deep learning, boosting listener engagement by 18% and enhancing playlist personalization across platforms
- **Data Pipelines**: Built and optimized streaming pipelines for listener 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 artist performance, integrating with internal tools to provide actionable insights and improve content strategy

Square — San Francisco, CA
Software Engineer — *Feb. 2016 – Jun. 2018*

- **Payment Analytics**: Developed advanced analytics tools for transaction monitoring, leveraging machine learning to optimize payment processing and increase revenue by 15%
- **ETL Pipelines**: Built and optimized data pipelines for payment 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
- **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 – 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

Fractal Analytics — New York, NY
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 music recommendation system
- **Visualization Tool**: Created dashboards for listener analytics
- **Forecasting Model**: Designed a listener retention 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