Ajay Nehra

Contact Information

Email: nehraa.2014@iitkalumni.org   **Phone:** (+91)-9997272281   LinkedIn   GitHub

Summary

Data scientist with 8+ years of experience in development and deployment of data-driven solutions across industries. Highly skilled in Python, R, SQL, and cloud technologies (Databricks, Azure and AWS). Strong analytical and critical thinking skills combined with a deep understanding of statistical modeling and machine learning algorithms. Proactive in applying new techniques and methodologies to enhance the team's capabilities

Education

Indian Institute of Technology (IIT), Kanpur   Jul 2010 - May 2014
Bachelor of Technology in Civil Engineering

Work Experience

McKinsey & Company, Specialist-Data Sciences   Nov 2019 to Present

- Leveraged machine learning algorithms to uncover price patterns and opportunities for revenue and profit optimization.
- Led the development and deployment of pricing models, profit and revenue optimization solutions for CPG clients.
- Collaborated with cross-functional teams (data engineers, IT and business stackholders) to implement and operationalise big data pipelines for efficient data processing, model deployment and monitoring.
- Research and development to build new client capabilities by integrating the latest advancement in machine learning.

IND-Money, Machine Learning Engineer   May 2019 to Oct 2019

- Designed and Developed ETL pipelines to integrate third party vendor data into IND-Money app
- Worked on Development and implementation of product features like dynamic asses allocation and portfolio rebalacing

EY (Ernst & Young), Senior Consultant-Data Sciences   Oct 2017 to May 2019

- Developed credit scoring models by implementing logistic regression, random forests, and gradient boosting to assess creditworthiness and enable informed lending decisions for banks in Dubai, Abu Dhabi, Kuwait, Qatar, and Bahrain.
- Played a key role in development of robust stress testing frameworks that complied with regulatory guidelines and enhanced the banks' ability to withstand economic downturns
- Designed efficient ETL pipelines to fully automate the regulatory reporting tasks of Banks and and FSI's

MasterCard Advisors, Data Scientist   Jan 2016 to Jun 2017

- Developed data-driven solutions for banks and merchants by training machine learning models on transactional data.
- Leveraged big data technologies like (spark & hadoop) to manage high volume and velocity of transactional data

Fractal Analytics, Business Analyst   Jul 2014 to Dec 2015

- Conducted marketing mix modeling using Log-Linear model to assess effectiveness of marketing events for CPG cleints
- Developed a comprehensive dashboard/visualization tool using R Shiny to analyze and visualize the growth and its drivers for Consumer Packaged Goods (CPG) clients and channels.

Skills

Programming Languages: Python & PySpark, R, SQL, C

Cloud Technologies: Spark on **Hadoop** & Databricks, Azure & AWS

Core Engineering: Probability & Statistics, Linear Algebra, Numerical Methods for Computation, Optimization

DevOps: Git, Docker, Jenkins

Visualisation: Tableau, R Shiny and Power BI

Learning and Coaching: Ability to learn and coach, fostering knowledge sharing and enhancing team capabilities.

Achievements

All India Rank 1771 in IIT JEE 2010 (top 0.4%) and 2575 in AIEEE 2010 (top 0.3%)

Filed 6 patents on payment systems technologies and solutions in Mastercard Advisors

Won 2 H.E.A.R.T "Highlighting Excellence and Recognizing Teamwork" awards at Mastercard Advisors.