Robin Singh

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Education

Post Graduate Diploma in Business Analytics, ISI Kolkata, IIT Kharagpur, IIM Calcutta, July 2015 – May 2017 CGPA: 9.16/10
- Ranked 4 out of 51 students in the batch. 3-institute joint 2 year program in Data Science and Analytics

B.Tech., Department of Mechanical Engineering, Indian Institute of Technology, Delhi, July 2010 – July 2014 CGPA: 8.56/10
- Received 2 awards on convocation for overall excellence in department and responsible student leadership

Professional Experience

Internship, QuantOne Technologies Pvt. Ltd., Kolkata, India, 5 May 2016 – Current
- Using Deep Learning to identify most potential stocks and derivatives; MLP & RNN models in Python & Java
- Implemented walk forward learning on historical data, back testing of strategy, integration with existing system

Business Analyst, www.GulfTalent.com, Dubai, United Arab Emirates, August 2014 – July 2015
- Marketing – Published a research and extensive data analysis based report to understand recruitment and compensation trends in Gulf. Supplemented research with detailed interviews of 100+ HR and Top Managers
- Product Development - Owner of multiple product streams, responsible for enhancing the user experience with data-driven features based on quantitative analysis
- Analytics - Devised and Analyzed User Engagement metrics utilizing website usage logs and Google Analytics data
- Sales Strategy - Strategized and Managed 2 annual sales promotions involving mailshots and segmented offers
- Operations - Analyzed and implemented the internal phone call forwarding network, critical to sales team functioning
- Technology - Managed integration of third party digital marketing tool designing, sending and analyzing mailshots

Internship, Accenture Strategy Consulting, Gurgaon, May 2014 – July 2015
- Devising recommendations for states to implement best practices to attract business, based on primary research

Internship, Daikin Industries, Shiga, Japan, May 2013 – July 2013
- Worked in Multi-cultural team to reduce cost and increase reliability of Heat exchangers by changing material

Projects

Event Retrieval from Twitter   (Information Retrieval Course Project)
Project aimed at identifying events from Tweets by popular tweet handles and extracting Time, Location attributes for events. Event information has potential applications in transport route and schedule planning. Used supervised classification of tweets, rule based time information extraction and geospatial corroboration to extract location information.

Mining of large Telecom by-Grid Call Graph Data   (Complex Networks Course Project)
Exploratory research project aimed at generating insights from geo-spatial telephone call graph data. Carried out anomaly detection, dependency analysis using complex network & ML tools. Utilized Hadoop for larger time window of analysis.

Recommender System on Yahoo Billion Song Data   (Data Science Lab Course Project)
Used Hadoop to develop similarity matrix for collaborative filtering on User-Song review data. Also used approximation techniques to build computationally economical alternative models and compared performance.

In-Hospital In-ICU Patient Mortality Prediction   (Xerox India Machine Learning Open Challenge)
Involved developing model to predict future mortality of patient from ICU and pre-ICU Laboratory Data.

Walmart Trip-Type Classification Challenge   (Open Challenge on www.kaggle.com)
Prediction of purpose of trip for customers visiting super market, based on the point of sale data. Leaderboard – 469/1047

Market Research of Energy Drinks Segment of Indian Beverage Market   (Independent Project in Marketing)
Co-Authored Marketing and Strategy Case study "Positioning Urzza :Launching a New Energy Drink", Ivey Publishing 2016 (9B16A009). Analyzed consumer sentiments in market, regulatory environment and competitive landscape

Programming Skills and Softwares

Python, R, Java, Eclipse, Git, MySQL, Hadoop Map Reduce, MS-Excel

Achievements and Awards

- Selected to be Student Volunteer for COMSNETS 2016 Conference held from 4-10 January Bangalore
- Secured II Position in CodeAthon mentored by Google Developers Bhubhaneshwar, Illuminati 2016 at IIT Kharagpur
- Cleared CFA Level 1 Examination in first attemp; appeared for exam in December 2014
- Published & Presented Paper on Refrigeration at Sustainable Energy Technologies Conference 2013 in Hong Kong
- 1 of the 9 membered team to represent IITD at 'Kizuna Program' by Japan International Cooperation Centre, Japan

Relevant Courses

Algorithm Design & Machine Learning, Regression & Time Series Modelling, Statistical Structures in Data, Statistical Inference, Probability & Stochastic Processes, Complex Networks, Information Retrieval, Visualisation, Database Management Systems, Enabling Technologies for Data Sciences, Optimization & Decision Analytics, Operations Management