

Neelambuj Chaturvedi

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EDUCATION

- **National Institute of Technology Jalandhar** Jalandhar, India
Btech Industrial and Production Engineering; CGPA: 7.85 up till 5th Sem July. 2015 – Present
- **Riverdale International School** Uttarakhand, India
Higher Secondary School Certificate Exam; Marks: 91.8% April. 2012 – May. 2014

EXPERIENCE

- **Indian Statistical Institute Kolkata** Kolkata, India
Research Internship June 2017 - July 2017
 - **Drosophila protein sequences:** 66 protein sequences of Drosophila composed of 20 naturally occurring amino acids were clustered according to the similarity present in them
 - **Similarity Index:** Mathematically defined a similarity index which could rank the best pair of images on the basis of similarity present in the protein sequences
 - **Submission:** Made a submission in a journal named Genomics
- **Indian Institute of Management Lucknow** Lucknow, India
Work from home Jan 2017 - Feb 2017
 - **Concepts of marketing management:** Learnt new concepts of marketing management by interpreting various case studies and applied these concepts to solve Harvard Business School case studies
 - **Marketing plan:** Conclusively developed a marketing plan for a hypothetical android application

PROJECTS

- **Renewal Predictions:** Predicted the subscription renewal alert for the customers, used support vector machines and random forest classifier and finally ensembled them for predictions
- **American Express Analyze This:** This project involved predictions of extending a type of card (Elite, Credit, Supplementary) for specific customers. Used feature engineering and Random forest classifier to arrive at the desired results
- **Quantitative Finance models:** Implemented Capital price asset model, Markovitz model, Black Scholes model value at risk (VAR) in python

PROGRAMMING SKILLS

- **Languages:** Python, C++, C, R **Tools:** MATLAB(Basic), MS Power point, MS Word

RELEVANT COURSES

- **Online Courses:** Analytics edge, Intro to data science with Python, Data science and machine learning in python (Udemy), Machine learning* (Coursera), Quantitative finance and algorithm trading in Python*, Machine learning A-Z Python (Udemy)*
- **Industrial and Production:** Production planning and control, operations research, Quality management, Probability and statistics for engineers, Differential equations

* To be completed till January, 18

POSITIONS OF RESPONSIBILITY

- **Entrepreneurship Cell** NIT Jalandhar
Public Relation Officer Sep 2016 - Present
 - **Internship Fair:** Organized first ever internship fair in NIT J. Around 30 startup's participated in this initiative
 - **Guest Lectures:** Organized guest lectures on Entrepreneurship by Mr. Manish Saini and Mr. Neeraj Ghutghutia (Founder "Right to Vote")
- **Analytics Cell** NIT Jalandhar
Co-Head April 2017 - Present
 - **Workshop:** Delivered a workshop on "Introduction to opportunities that exist in analytics domain"
 - **Sessions:** Registered for Datacamp classroom program and regular sessions are organized for discussions

EXTRA CURRICULARS

- **Analyze This:** Secured rank 140 on leaderboard in this data science challenge conducted by American Express
- **./Execute:** Amongst the finalist in coding competition (./Execute) held during technical fest at NIT Jalandhar
- **Badminton Player:** Districtlevel badminton player during class 12, Was selected in inter year badminton team at NITJ