Rajat Garg

rajatgarg149@gmail.com
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EDUCATION

IIT KHARAGPUR
B.Tech in Computer Science
Expected 2018 | Kharagpur,West Bengal

BARFANI ACADEMY
10+2 Higher Secondary School
Indore,Madhya Pradesh

SHRI GUJARATI SAMAJ SCHOOL
Higher Secondary School
Indore,Madhya Pradesh

LINKS

Github:// **rajatgarg149**
LinkedIn:// **rajat-garg**

COURSEWORK

UNDERGRADUATE
Deep Learning
Distributed Systems
Cloud Computing
Artificial Intelligence
Image Pro Machine Learning
Operating Systems
Networks
Regression & Time Series
Software Engineering
Probability & Statistics
Linear Algebra
Algorithms
Programming and Data Structures

SKILLS

PROGRAMMING
Python • JAVA • C
C++ • R
HTML • CSS
MySQL • Scala

DEVELOPMENT
Machine Learning
Data Analytics
Software Development
Quantitative Analysis

SOFTWARE
Eclipse
Weka
Spark

EXPERIENCE

QUANTINSTI | Content Developer & Researcher
May 2018 – Present | Mumbai, India
- Design, develop and deploy an automated optimised technical pattern search 'charting' on stock data, flexible to update patterns and evaluates market.
- Update the documentation of a well-built trading platform Quantra using zipline package and testing it on different new trading strategies.

SAMSUNG R & D, BANGALORE | Summer Trainee
May 2017 – July 2017 | Bangalore, India
- Development of computational models for blood glucose monitoring through the Near Infrared (NIR) Spectroscopy, proving feasible non-invasive techniques.
- A multi-wavelength signal in NIR region is applied to the wrist, the reflectance spectra from the subcutaneous tissue are processed for computation.

QUANTINSTI | Course Creator & Researcher
Dec 2016 – Jan 2017 | Mumbai, India
- Stock Prediction using Recurrent Reinforcement Learning. Sharpe's ratio as reward function, M-previous returns as policy and trader function as action.
- Comparison of SVM , random-forest and xgboost classifiers on price classification with a long and short window price statistics as datasets

IIT KHARAGPUR | Text Mining Engineer
May 2016 – June 2016 | Kharagpur, India
- Programmed an automated script which text mines the wikipages within the same category of given links and stores the tagwise processed information.
- Built parallel functioning operations using Apache Spark on top of the script performing text-search, word frequency count and similarity valuation.

TERM PROJECT

AUTOMATED ENCODING OF HUMAN POSTURES | IIT Kharagpur
Aug 2017 – Mar 2018 | Kharagpur, India
- Captured and coded dataset from Microsoft's Kinect Technology using laban.
- Generated symbols for Labanotaion automatically by classifying movements.

TRAVEL AGENCY AUTOMATION SOFT. | IIT Kharagpur
Mar 2016 – Apr 2016 | Kharagpur, India
- Design and Development of travel agency management software to compute the profit corresponding each vehicle with the built-in operations to run agency.
- Listed vehicles' statistics with average earning, maintenance and consumption.

AWARDS

Year	Award	Event
2018	Special Mention	Radha Krishnan Hall of Residence
2017	Best Unrated	All India Chess Federation- Open Rating
2016	Bronze	Chess, General Championship, IIT Kharapur
2014	290th/1.5 lac	JEE-Advance
2014	311/360 score	JEE-Main
2010	National	CBSE Inter School Chess Competition
2010	Represented Madhya Pradesh	National School Games Chess Championship
2008	Bronze	West Zone CBSE Inter School Chess Competition
2008	National	CBSE Inter School Chess Competition
2008	Gold	West Zone CBSE Inter School Chess Competition