

Rajat Garg

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EDUCATION

- **Indian Institute of Technology Kharagpur** Kharagpur, India
B.Tech in Computer Science(Hons.) Aug. 2014 – May. 2018

PROGRAMMING SKILLS

- **Languages:** JAVA, Python, Javascript, C++, SQL **Technologies:** AWS, GCP, Docker, Kubernetes, Broker
- **Frameworks:** Spring, Django, Laravel, React **Databases:** MySQL, Redis, MongoDB, Neo4j, Firebase

WORK EXPERIENCE

- **Tetra Media Pvt. Ltd.** Gurgaon, India
Software Engineer Nov 2019 - April 2020
Built a product to calculate, process and manage payouts and corresponding incentives used by Corporate and Financial Institution.
 - **Server-Side:** Developed APIs for payout calculation, invoice generation, processing payment and dashboard notification. Environment: Laravel, Jenkins, Nginx
 - **Client-Side:** Created an user-friendly feature-rich web application. Application caters users with neat tabular data and smooth workflow. Environment: React
- **Hudson Data Pvt. Ltd.** Gurgaon, India
Data Engineer Mar 2019 - Nov 2019
 - **ML Graph:** Software solution to create graph structure from relation databases. Developed asynchronous django rest APIs for graph creation service. Built JAVA connectors to connect MySQL, PostgreSQL, BigQuery. Deployed and tested graph server and client-utility on Google Cloud Engine VM instances.

INTERNSHIP EXPERIENCE

- **Quantinsti Pvt. Ltd.** Mumbai, India
Researcher May 2018 - July 2018
 - **Chart Pattern Recognition:** Built a technical chart pattern search solution. The software helps to search different patterns over a variety of stocks for the given period.
 - **Strategy:** Created a strategy with implementation of recurrent reinforcement learning on weighted returns.
 - **Quantra:** Documented and backtested strategies on a well-built in-house trading platform Quantra.
- **Samsung R&D** Bangalore, India
Summer Trainee May 2018 - July 2018
 - **Glucose Concentration Monitoring:** Analysed models for blood glucose concentration monitoring systems using non-invasive techniques. Applied computational model on absorption index of multi-wavelength spectra passed through the blood. Estimated the glucose concentration of the subject using kalman filter over the series of absorption index.

PROJECTS

- **Real-time Chat Application:** Built a real-time chat server with functional one-to-one and group chat channels.
- **Recommendation of Wiki Pages:** Programmed an automated parallel processing script to scrap wikipedia pages.
- **Travel Agency Automation Software :** Designed and Developed a JAVA based travel agency management software.

ACHIEVEMENTS AND CERTIFICATIONS

- Secured an All India Rank 290 in IIT-JEE'14 entrance exam out of 2 million participants.
- State Representative in Chess at School Games Federation of India, 2010
- Coursera, Big Data Essentials, Yandex (**spec.**) – **4UTZMTVLVY2Z** - Hadoop, HDFS, MapReduce, Spark
- Coursera, Applied Data Science with Python (**spec.**) - **LM74P8XQFHUA** - Text mining, Social network analysis
- Coursera, Machine Learning, Andrew Ng – **KFZKX48CSCWN** – Regression, Decision trees, SVM, ROC, F-score