Saurabh Kadian

saurabh.kadian@gmail.com | +91-98769-33202

EDUCATION

IIT, BOMBAY
MTech in Computer Science
Jul 2018 | Mumbai, India

LINKS

Github: **saurabh-kadian**
LinkedIn: **saurabh-kadian**

SKILLS

PROGRAMMING
Languages:
C++ • Python • Java
Perl
Utilities:
LaTeX • Git
Experience with:
Apache Kafka • ElasticSearch • Jenkins
Apache Mesos • Apache Marathon
Docker • Grafana • Redis

ACHIEVEMENTS

• **All India Rank - 20** out of **1,08,495**
GATE 2016 Computer Science with
percentile of **99.98**.
• ACM ICPC Regionals: 2013
and **2015**.
• CodeChef SnackDown 2017:
Ranked 1248 out of 21038 in
Pre-Elimination
Ranked 729 out of 12859 in Online
Qualifier
Ranked 1105 out of 3403 in Online
Elimination Rounds
• **Speaker** at **CodeChef Campus
Chapter**
• **Ranked 1** in regional level
Infosys Aspirations 2020
Programming Contest 2014
participated in Development Center
Finals (National Level).
• Qualified to Round 1
Google Code Jam 2014
• Awarded Pass in the
Preliminary English Test -
**University of Cambridge - ESOL
Examination**

EXPERIENCE

D.E. SHAW & CO. | MEMBER TECHNICAL
Jul 2019 - Present | Hyderabad, India
- Working with backend team to facilitate analysts access to proprietary or trial datasets and related statistics/analysis/report. Contributed to 2 such dataset, each saving around couple of weeks of work for the consumer.
- Worked on proprietary datasets, moulding them into internal frameworks (either plotting/data caching frameworks) and validating their quality. Got experience working with firm's internal frameworks and some famous Python modules like Pandas.
- Lead efforts towards developing backend infra for central access to already subscribed proprietary datasets s.t. everything is accessible at one place. This basically allows freedom of exploration which until now wasn't possible.

PHONEPE (FLIPKART GROUP COMPANY) | SOFTWARE DEVELOPMENT ENGINEER
Jul 2018 - Apr 2019 | Pune, India
- Worked with backend team for billpay and recharge division of PhonePe.
- Lead efforts on reversal DFA engine which reduced customer escalations related to refunds. This reduced overall turnaround time for reverals from days to couple of hours. Created using RESTful APIs in conjunction with RabbitMQ and internal schedular engine.
- Lead efforts towards building a preference store to store user preferences for reminders related to their various types of bills. This is currently live for all users. Created using RESTful APIs in conjunction with RabbitMQ, MySql and Aerospike.

RESEARCH

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY | RESEARCH
Jul 2016 – Jul 2018 | Mumbai, India
Worked under the guidance of **Prof. Nutan Limaye**. Acquired necessary background on relations between different Space Complexity Classes and problem of Reachability. Implemented read research papers for visualization. Tried fitting a polynomially bound weighting scheme in 3D-MGGR s.t. the problem is reduced to a $UL \cap coUL$. Future work includes coming up with potential algorithms with reduces space as well as time complexity for the problem of Reachability.

PROJECTS

- **Comparing different models for Stock Market Prediction**
  Dataset: NASDAQ listed stocks, Models: SVM, Logistic Regression, Shallow Neural network, Libraries: Scikit-learn, Tensorflow (Python3)
- **Reinforcement Agent for Carrom**
  Agent won 1088/1400 games and ranked 3rd in the course. Tried cut-shots, rebound-shots and other physics oriented strategies. Implemented Actor-Critic based Reinforcement Learning model - Deep Deterministic Policy Gradient
- **ACM ICPC Style LAN based Judge**
  With the aim of providing environment similar to ACM ICPC regionals, created judge similar to that used at regionals. Stress tested to 40 teams. Implemented in: Qt - C++ based framework
- **Replicating Napster Peer-Peer Network**
- **Stock Market tracker Android App for US based markets**