Saurabh Kadian

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EDUCATION

IIT, BOMBAY
MASTERS IN COMPUTER SCIENCE
Jul 2018 | Mumbai, India

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 **1248/21038** Pre-Elimination
Ranked **729/12859** Online Qualifier
Ranked **1105/3403** Online Elimination
• **Speaker** at **CodeChef Campus
Chapter**
• **Ranked 1** in regional level
Infosys Aspirations 2020
Programming Contest 2014

SKILLS

Worked with:
C++ • Python • Java • Go
LaTeX • Git
Apache Kafka • ElasticSearch • Jenkins
Apache Mesos • Apache Marathon
Docker • Grafana • Redis •
RabbitMq • Aerospike

LINKS

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

PROJECTS

• Comparing different models for Stock
Market Prediction
• Reinforcement Agent for Carrom using
physics based strategies and tried DDPG
model as well.
• ACM ICPC Regional Style LAN based
Judge
• Replicating Napster Peer-Peer Network
• Stock Market tracker Android App for
US based markets

EXPERIENCE

GOOGLE | SOFTWARE ENGINEER
Aug 2021 - May 2023 | Hyderabad, India
• Owned card bin related service end to end.
• Migrated entire bin service to async promise graph flows.
• Worked towards bringing KT related to 3 services to India office. Orchestration service, responsible for orchestrating the entire payment workflow. Cards service, responsible for payments through cards. And finally, Bin service which maintains sanity of bin numbers for credit/debit cards.
• Worked with the payments team on migrating direct carrier billers to new frameworks.
• Supported the cards team to onboard new regulations.

DISNEY+ HOTSTAR | SOFTWARE DEVELOPMENT ENGINEER - II
Jan 2021 - July 2021 | Bengaluru, India

• Worked with payments team to maintain sanity of payment gateways, success rates across payment methods and managing both legs of payment transactions even during high traffic times like IPL.
• Lead efforts towards integrating new payment gateway end-to-end under RBI regulation directed deadline
• Lead efforts towards building and deploying paywall service from scratch using Golang and load testing using Scala.
• Interviewed over 20+ candidates for SDE1-SDE3 positions.

D.E. SHAW & CO. | MEMBER TECHNICAL
Jul 2019 - Nov 2020 | Hyderabad, India

• Worked 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.
• 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 then wasn't possible.

PHONEPE (FLIPKART) | 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 reducing customer escalations related to refunds. Reduced overall TAT for reverals from days to few hours.
• Lead sole efforts towards building a preference store for user preference towards reminders related to their bills. Currently live for all users.

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 which reduces space as well as time complexity and achieves tighter bounds for the problem of Reachability.