








# Saket Joshi

 saketrule.github.io  Github /saketrule  X /ruleSaket  
 LinkedIn /saket-dattatray-joshi

 saket.joshi@g.harvard.edu  
 +1-(857)391-1513  
 24 Everett St. Cambridge MA 02138

## EDUCATION

---

- Harvard University** Cambridge, MA  
*Master of Science in Data Science; CGPA: 3.92 (out of 4.0)* Aug. 2022 – Dec. 2023
- Select courses: Reinforcement Learning, Bayesian Inference, Systems Development for Computational Science
- Massachusetts Institute of Technology (MIT)** Cambridge, MA  
*Cross-registered student ; MIT Sloan School of Management* Feb. 2023 – Dec. 2023
- Select courses: Analytics of Finance, Quantitative Investment Management
- Indian Institute of Technology (IIT), Tirupati** Tirupati, India  
*Bachelor of Technology in Computer Science & Engineering; GPA: 9.31 (out of 10.0)* Aug. 2015 – July. 2019
- Select courses: Probability, Stochastic Processes & Statistics, Advanced Algorithms, Deep Learning

## EXPERIENCE

---

- X (formerly Twitter)** San Francisco, CA  
*Engineering Intern* June 2023 – Sep 2023
- Deployed low-latency light ranking ML model unified across multiple candidate sources for the For-You timeline
  - Implemented Omnisearch based search functionality for a new (unreleased) Twitter product feature
- Falabella** Bangalore, India  
*Machine Learning Engineer* April 2021 – Aug 2022
- Lead the research & development of NBA (Next Best Action) platform for modelling customer marketing uplift
  - Worked on the development of machine learning platform that supported ML experiments across all business units
- Fourkites** Chennai, India  
*Data Scientist* June 2019 – April 2021
- Implemented scalable streaming service which served over 25 million time series based ML predictions daily
  - Proposed and deployed new ML model for estimating the arrival times of vehicles with low heteroskedasticity

## PUBLICATIONS

---

**RapidRelease - A Dataset of Projects and Issues on Github with Rapid Releases:** Joshi, Saket Dattatray and Chimalakonda, Sridhar — 2019 IEEE/ACM 16th International Conference on Mining Software Repositories (MSR)

## SELECT AWARDS

---

- J. N. Tata Scholar:** Recipient of the 2022 J. N. Tata Scholarship, awarded to meritorious Indian students 2022
- Rank 86:** (Competitive programming), 2017 ACM ICPC Asia regionals, Qualified as winner from IIT Tirupati 2017
- 1st position:** (Robotics), Maze Rover, IIT Madras-Shaastra, Among over 20 selected teams 2017
- Selected participant:** ACM Winter School in Software Engineering (WSSE) at TRDDC 2017
- 2nd Position:** (Chess) Intra college Chess competition, IIT Tirupati Sports Club 2016

## LEADERSHIP ROLES & OTHER EXPERIENCES

---

- Teaching Fellow:** CS184 - Reinforcement learning, Harvard University 2023
- Research Assistant:** NLP based research at the Culture, Cognition, and Co-evolution lab, Harvard University 2023
- Algorithmic trading:** Deployed multiple intraday multi-leg derivative strategies on the Indian stock exchanges 2022
- Research Mentor:** for undergraduate research in AI, hosted by Try-AI and Harvard Innovation Labs 2023
- Research member:** of the Research in Intelligent Software & Human Analytics (RISHA) Lab 2019
- Organizer & problem-setter:** Coding competitions - BattleCode(2016), CodeBat(2017)
- Speaker:** Presented a 4-hour tutorial session on “The C++ Standard Template Library” at IIT Tirupati 2018
- Coordinator:** for the IIT Tirupati coding club 2017

## PROJECTS

---

- 🔗 Optimizing the design of semi-supervised facial recognition framework 2019
  - Implemented novel semi-supervised clustering algorithm for data labeling and framework for face recognition
- 🔗 RapidRelease : A Filtered Dataset Of Open-Source Repositories With Fast Release Cycles 2019
  - Dataset features 214 open-source projects, with over 900K issue reports for CI & release engineering analysis
- 🔗 Architectural anchored development of Android applications by continuous monitoring of CK metrics 2019
  - Developed tool to calculate and diff CK (Chidamber and Kemerer) metrics for android projects

## CERTIFICATIONS AND TECHNICAL SKILLS

---

**Data Engineering with Google Cloud:** Professional specialization(6 courses), offered by Google Cloud on Coursera

**Frameworks & Libraries:** Hadoop, Kubernetes, TensorFlow, pyTorch, Spark, Keras, Flask, Elasticsearch, Kafka

**Languages:** Python, C++, Scala, PySpark, R, Java, Javascript, Latex, Bash, CUDA **Cloud, CI/CD:** AWS, GCP