

# Saket Joshi

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## EDUCATION

### Harvard University

Master of Science in Data Science; CGPA: 3.92 (out of 4.0)

Cambridge, MA

Aug. 2022 – Dec. 2023

- Select courses: Reinforcement Learning, Bayesian Inference, Systems Development for Computational Science

### Massachusetts Institute of Technology (MIT)

Cross-registered student ; MIT Sloan School of Management

Cambridge, MA

Feb. 2023 – Dec. 2023

- Select courses: Analytics of Finance, Quantitative Investment Management

### Indian Institute of Technology (IIT), Tirupati

Bachelor of Technology in Computer Science & Engineering; GPA: 9.31 (out of 10.0)

Tirupati, India

Aug. 2015 – July. 2019

- Select courses: Probability, Stochastic Processes & Statistics, Advanced Algorithms, Deep Learning

## EXPERIENCE

### Twitter

Engineering Intern

San Francisco, CA

June 2023 – Sep 2023

- Implemented and deployed Omnisearch based search functionality for a new (unreleased) Twitter feature
- Worked on TwHIN (Twitter Heterogenous Information Network) for generating home timeline Tweet candidates

### Falabella

Machine Learning Engineer

Bangalore, India

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

Data Scientist

Chennai, India

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

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

## LEADERSHIP ROLES & OTHER EXPERIENCES

<b>Course Assistant:</b> CS184 - Reinforcement learning, Harvard University	2023
<b>Research Assistant:</b> Culture, Cognition, and Co-evolution lab, Harvard University	2023
<b>Algorithmic trading:</b> Deployed multiple intraday multi-leg derivative strategies on the Indian stock exchanges	2022
<b>Research Mentor:</b> for undergraduate research in AI, hosted by Try-AI and Harvard Innovation Labs	2023
<b>Research member:</b> of the Research in Intelligent Software & Human Analytics (RISHA) Lab	2019
<b>Organizer &amp; problem-setter:</b> Coding competitions - BattleCode(2016), CodeBat(2017)	
<b>Speaker:</b> Presented a 4-hour tutorial session on “The C++ Standard Template Library” at IIT Tirupati	2018
<b>Coordinator:</b> 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 Coud:** Professional specialization (6 courses), offered by Google Cloud on Coursera  
**Frameworks & Libraries:** Hadoop, Kubernetes, pyTorch, Spark MLlib, Keras, Flask, Elasticsearch, Kafka  
**Languages:** Python, C++, Scala, PySpark, R, Java, Javascript, Latex, Bash      **Cloud, CI/CD:** AWS, GCP