Saket Joshi

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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

Twitter	San Francisco, CA
Engineering Intern	*June 2023 – Sep 2023*

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

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	2016

LEADERSHIP ROLES & OTHER EXPERIENCES

Course Assistant: CS184 - Reinforcement learning, Harvard University	2023
Research Assistant: 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 & 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