

# SACHIN SHARMA

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## EDUCATION

### Master's In Computer Science

University of Colorado Boulder GPA: 3.9/4

May 2023

Boulder, CO

### Bachelor's In Computer Science and Engineering

M.S Ramaiah Institute of Technology CGPA: 8.96/10.0

May 2017

Bangalore, India

## TECHNICAL SKILLS

**Languages:** Python, JAVA, C/C++, JavaScript, SQL, LaTeX, Unix

**Databases:** MySQL, PostgreSQL, Elastic Search, Redis

**Frameworks and Libraries:** SpringBoot, REST, Flask, Kafka, Solace, TibRV, Gradle

**Cloud:** GoogleCloud, AutoML, Cloud Functions, AWS Lambda, Heroku

**Tools and Software:** Linux, Git, Docker, JIRA, Kibana, Jenkins, Kubernetes, NFS

**Knowledge:** Data Structures & Algorithms, Computer Networks, Virtual Machines, Distributed Systems, ML/AI

## EXPERIENCE

### Analyst, *Millennium Management*

Jul 2023, New York

- Migrated broker EndPointerRouters to a robust deployment pipeline featuring failover resiliency.
- Developed a distributed queue framework to ensure the guaranteed delivery of trade messages to downstream services. Leveraged Solace and Tibco Rendezvous (TIBRV) messaging queues for seamless integration and reliable communication.

### Software Engineer-III, *Walmart (Digital Pharmacy)*

Jan 2021 – Aug 2021, India

- Created microservice for various prescription(Rx) refill task with **HIPAA** compliance with over **85%** test coverage
- Worked on integration of **Cloud Configuration Management** for microservices to support static and dynamic configuration and rule loading without restarting the application

### Software Engineer, *Paytm Money*

Oct 2018 – Jan 2021, India

- Architected and developed Instant Redemption feature for Liquid Funds from scratch, enabling users to redeem mutual funds in real time with a success rate of **98%**
- Developed a micro-service that uses **AWS Lambda, Redis and Elastic-Search** to support the rendering Minute and Hourly candles of Stocks, Etf's and Options on Mobile and Web applications.
- Developed various key features of the Systematic Investment Plan (SIP), designed a **rule engine** for automating investment using autopay API which handled **million** SIP transactions/month

### Software Developer, *Ebix Travels*

Jun 2017 – Oct 2018, India

- Built SBT (Self Booking Tool) a first-of-its-type corporate Travel solution from scratch used to book Flight and Hotel itineraries via an approval flow. Collaborated on all stages of the application development life-cycle
- Automated billing system to identify billing mismatch and issues in Invoices and Statement of Accounts, **decreasing Capital Losses.**

## PROJECTS

### Medical Data Classification and Forecast

Nov. – Dec 2021

- Designed and developed a application which can ingest tabular data and generate a **Tensor Flow** model as a Docker image, used it to predict **Length of Stay** of patients from a hospital dataset, with an accuracy of **62%**

### National Pension Scheme (NPS)

Aug – Dec 2019

- Built **NPS** from scratch at Paytm Money. Played major role in gathering requirements, designing, implementing, testing and making it live. NPS application made **1000 transactions/day** during initial days of launch

## EXTRACURRICULAR & PUBLICATION

- As the **Chair** of the CU Boulder Computer Science Graduate Professional Development Club, hosted problem-solving sessions, seminars, and competitions. **Sept. 2021 – May 2023**
- Global Message Ordering using Distributed Kafka Clusters (**IEEE, IIT'23**) **Sep 2023**
- Rogue Defense - **NSA** and **DoD** sponsored project for defense against cyber physical attacks. **Jan - May 2023**