

Tejas Bhitle

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EDUCATION

State University of New York at Buffalo

Masters in Computer Science and Engineering — GPA 3.81/4.0

Coursework — Distributed Systems, Operating Systems, Algorithms, Machine Learning

New York, USA

Aug 2022 — Present

University of Mumbai (Sardar Patel Institute of Technology)

Bachelors in Computer Science — GPA 8.4/10.0

Mumbai, India

Jul 2015 — May 2019

TECHNICAL SKILLS

- Programming — Java, Python, C, C++, Kotlin, Go, TypeScript, SQL, Bash
- Tech Stack — Android, Spring MVC, Django, Flask, Angular, React, DB2, PostgreSQL, Tensorflow, REST
- Tools — Elasticsearch, Apache Kafka, Firebase, AWS EC2, Hadoop, Docker, Git, SonarQube

PROFESSIONAL EXPERIENCE

Morgan Stanley — Senior Associate (Technology)

Mumbai | Jun 21 - Jul 22

- Led the development of a Reconciliation platform based on **Spring, Angular, DB2**, ZooKeeper.
- Transformed the tasks (translations, lookups, filters, etc.) into a Directed Acyclic Graph & built a Custom **Topological Sort Algorithm** for ordering those API calls, improving the workflow runtime by ~65%.
- Configured & standardized over 15K production jobs on Train-Autosys using **Python/Bash** scripting.

Barclays — Analyst (Technology)

Pune | Jul 19 - Jun 21

- Worked on 10+ multi-threaded post-trade engines and services using **Spring**.
- Automated VoltDB deployment on Unix/ Windows servers using **Bash/Batch scripting**.
- Led the **Apache Kafka migration** across all the micro-services, decoupling 3 major gradle projects.
- Won Barclays Values Award for end-to-end delivery of a high-volume workflow in 3 weeks using **Spring Batch**.
- Configured **Jenkins CI/CD pipelines** to automate software builds, testing & deployment.
- Actively participated in recruitment drives and trained new hires.

Morgan Stanley — Summer Intern

Mumbai | May 18 - Jul 18

- Rewrote a client facing website to **ionic**, reducing the startup time by ~70% & enabling mobile responsiveness.
- Used **RxJS** to handle live streaming data, optimized several UI components of the web app.

Dept of Nuclear Medicine — Research Assistant

University at Buffalo | May 23 - Present

- Modelling a Nuclear Medicine Imaging based Computational System using **C++ & CUDA**.

PROJECTS

FoodCourt — React-Native Mobile SDK, Django DRF, AWS

May 2023

- Developed an Android/iOS app for Social Media Start-Up targeting Foodies & Chefs.
- Responsible for frontend and backend development, hosting on AWS using EC2, RDS, S3.
- Implemented Django channels for multi-user recipe sessions, Firebase Cloud Messaging, refactored to JWT Auth.

Chehra — Android, Django DRF, Machine Learning

Mar 2018

- Facial Recognition based Attendance Management System, capturing classroom images & marking attendance.
- Designed the database schema & wrote over 30 backend APIs. Wrote 2 android clients for student & teacher.
- Published Paper on "Automated Facial Recognition Attendance System leveraging IoT Cameras, [IEEE \(8776924\)](#)"

Encrypto — Android, Firebase Services

Jan 2018

- Developed an Android App for a Virtual Stock Market fun event.
- Designed dynamic fluctuations in cryptocurrency prices, real-time leaderboard updates & transaction history.
- Utilized Firebase RealTime DB to handle concurrent read-writes from the Android clients.