Tejas Bhitle

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ACADEMICS

State University of New York at Buffalo   Aug 2022 — Present
Masters in Computer Science

Sardar Patel Institute of Technology   July 2015 — May 2019
Bachelor of Engineering (Computer Engineering) — GPA: 8.4/10   University of Mumbai

INDUSTRY EXPERIENCE

Morgan Stanley — Senior Associate (Technology)   Mumbai, India | Jun 2021 — Jul 2022
- Working on an in-house Java-based reconciliation platform, with several features like many-to-many matching, filters, translators & lookups, configurable through Angular-based GUI. Leading the efforts in all phases of SDLC.
- Also worked as a summer intern (May - Jul 2018), rewrote UI based on Ionic/ Angular. Made several optimizations like using sockets to lower overhead of live data & reusing heavy UI components to reduce startup time by ~70%.

Barclays — Analyst (Technology)   Pune, India | Jul 2019 — Jun 2021
- Worked on post-trade engines for MiFID-2 reporting. Wrote APIs & business logic in spring for 10+ microservices.
- Automated VoltDB deployment on Unix boxes & windows servers using shell & batch, reducing the manual efforts.
- Decoupled 15+ tightly coupled maven projects enabling them to be built independently, reducing build time by ~75%.
- Implemented topic based message routing using Apache Kafka & Camel, making the architecture event-driven.

Toast Inc — Developer Intern (FreeLance)   California (Remote) | Mar 2017 — Nov 2017
- Developed Android app to host and find nearby parties/events using geofencing, also fulfilled the iOS alike UI needs.
- Wrote e2e backend using Laravel framework and deployed it to Amazon Web Services.

NOTABLE PROJECTS

Emotion Recognizer — Undergraduate Final Year Thesis on Emotion Recognition   Team of 3
Built a multimodal system based on facial expressions, voice & words spoken. The initial stage involved fusion of text & image modules to determine the initial emotions hypothesis, followed by second stage fusion using audio to determine exact emotion or sarcasm. Used LSTM based CNN model, GLoVe, Canny edge detection & LBP.

Chehra — A low-cost Facial Recognition based Attendance Management System POC   Team of 4
Captures multiple faces from classroom pictures & marks entries of their attendance. Built ML models (FaceNet & dlib), a Django backend & 2 android apps (for teachers & students each) & integration of IoT camera modules.

Encrypto — Android app for Virtual stock market event for college fun event.   Team of 2
Supports dynamic variation in cryptocurrency prices, real-time features like leaderboard, transaction history. Used Firebase for datastore, authentication & to handle concurrent transactional updates from the android app.

Smart India Hackathon — Grand finalists from over 45000+ participants. Led a team to develop a system assisting its users in blood requirements during emergencies. Represented our institute at the National level.

RESEARCH PAPERS

- Automated Facial Recognition Attendance System leveraging IoT Cameras, IEEE (8776924)
- Multi-Stage Single Modal Systems to recognize Primary Emotions, Secondary Emotions & Sarcasm, drafted

TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, TypeScript, Shell
Technologies: Spring Boot, Android, Kafka, Django,
Tools: Firebase, Git, Linux, Jenkins,

POSITIONS OF RESPONSIBILITY

Teaching Assistant at S.P.I.T for Data structures under Principal Dr. Prachi Gharpure, responsible for teaching coding & guiding students with projects.

Training & Placement Coordinator at S.P.I.T. handled the campus placements, guided students & maintained industrial relations.

Head of Operations: Led a team of 8 to manage the Cultural & Tech fest visited by people across the state.