

Jayant Bhopale

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Education

The University of Texas at Dallas, TX, USA

Master of Science in Computer Science

Aug 2019 – May 2021

CGPA 3.6/4

University of Mumbai, MH, India

Bachelor of Engineering in Information Technology

Jun 2014 – Jun 2018

CGPA 8.22/10

Technical Skills

- **Programming Languages:** Java, Swift, C++, C, Javascript, Python, COBOL, PHP
- **Others:** Data Structures, Algorithms, OOPS, Agile, Shell Scripting, Linux, AWS, GIT, JSON, MVC, REST, Postman.

Work Experience

Software Engineer Intern, HHAeXchange, TX, USA

Aug 2020 – Present

- Developing an iOS app using swift and efficient back end REST APIs using C# for homecare software
- Working in a scrum team of 8 and cross-functional teams on troubleshooting issues in design, product, and other units

Software Engineer Intern, MNK Infotech Inc, TX, USA

May 2020 – Aug 2020

- Built the iOS quiz app from scratch and assisted the CTO in designing **system architecture, flow and UI mocks**
- Implemented password-free OTP (Globally over email and cellular devices in 3 countries) based login and registration
- Proposed **3 app themes** that can be fully customized and applied globally in the app as per user preference
- Added feature to download and save quizzes in sqllite3 database to play offline in absence of internet connection

Software Engineer, Tata Consultancy Services, MH, India

Jun 2018 – Jul 2019

- Developed transactions in **ISO8583** standard for Automatic Teller Machines, Credit and debit cards, Unified Payment Interfaces, Mobile banking and Internet banking interfaces using **Java, COBOL and DB2**
- Mentored the team of 3 members to automate the call center application that processes more than **1000** customer requests simultaneously. **Minimized** the wait and response time by **60%** for processing requests
- Planned and created **One Time Password** based debit card PIN change through ATM. Reduced efforts by **70%**

Research Intern, Tata Institute of Fundamental Research, Mumbai, IN

May 2017 – Jun 2018

- Worked in a team of four to create an application to extract handwritten text from images into the editable file format
- Performed image processing using **OpenCV with C++** and Machine Learning using **Multi-class SVM**
- Achieved **81%** accuracy for hand written text and **94%** for digital text recognition. Won the best project award

Academic Assistantship

Teaching Assistant, The University of Texas at Dallas, USA

Sept 2019 – May 2020

- Conducted and graded 25+ lab sessions, assignments and projects for the undergraduate **C++ Programming** class
- Managed the record for **100 students** in two semesters and solved course relevant issues and queries

Projects

Twitter Sentiment Analysis

- Simulated the sentiment analysis of live tweets from Twitter for selected hashtags. Visualized each tweet's positive, neutral, and negative score on scale -5 to +5 points. Used **Kafka, Apache Spark, Elastic-search, Kibana**

eBay Database Design

- Modeled the database system of eBay in **MySQL** and reduced to 3rd Normal Form. Created **triggers and stored procedures** for events and actions such as place purchase bid, purchase history, a product sold

Multi-dimensional Search

- Implemented a Multi-dimensional search algorithm for a system with a large number(1M+) of products with ID, Price, and Description. **Optimized** find, insert, delete, and other methods using Java **TreeMap, HashMaps and TreeSet**

Registration and Login portal - Fr. Agnells, Vashi, India

- Lead the team of 10 members to improve the login feature of the university portal for students, faculty, staff, and non-staff members. Used Codelgniter and material design framework to enhance the performance and user experience.