

# SAKSHAM TIKOO

Mumbai, Maharashtra, India

B.Tech Computer Science

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## Education

**Veermata Jijabai Technological Institute (VJTI)**

*Bachelor of Technology in Computer Engineering, CGPA: 8.74/10*

**August 2019 - May 2023**

*Mumbai, India*

**Kendriya Vidyalaya Andrews Ganj**

*Higher Secondary School Certificate, Score: 91.80%*

**March 2013 - March 2018**

*Delhi, India*

## Experience

**Morgan Stanley**

*Application Developer*

**May 2022 - July 2022**

*Mumbai, India*

- Worked on redesigning an Application written 16 years back at the firm, where I upgraded the code-base to Angular 12 improving the UI and UX making it easier to use hence bringing down the training cost
- Implemented Single Sign On(SSO) so there's no requirement to sign into the application manually after entering the work environment
- Integrated Angular Data Grid to present data, with options to add new data to the grid making the data more readable and making the application cohesive with others in the firm

**iMocha**

*Tester and Problem Setter*

**August 2021 - April 2022**

*Pune, India*

- Contributed problems based on various concepts of data structures and algorithms like recursion, searching, dynamic programming and disjoint set union
- Provided Tester's solution and verified the test cases for problems submitted by others

## Technical Skills

**Programming Languages:** Intermediate: C, C++, Basic: Python, Javascript, SQL

**Developer Tools:** GitHub, VS Code, Google Colab

**Technologies/Frameworks:** NodeJS, ReactJS, MongoDB, Firebase, Firestore, Angular

**Course Work:** Web Technologies, Database Technologies, Analysis of Algorithms, Data Structures, Operating Systems

## Projects

**VJTI Helper** | *React-Native, Firebase* | *Github*

- Developed an application for college students to keep track of the college specific activities like class attendance, student percentage, GPA, TODO tasks, notices, and updates from the college
- Implemented 2 way authentication using firebase, stored user data in firestore
- Also used pie charts and graphs to visualize data like student's attendance

**Visualize** | *HTML, Bootstrap, Javascript* | *Github*

- Developed a web app to visualize how different path-finding algorithms work
- Implemented visualization for Path-finding algorithms: Breadth-First Search, Depth-First Search and Dijkstra's and Maze Generating Algorithms: Random (recursive backtracking) and Simple Spiral

**Restaurant Review** | *MongoDB, ReactJS, NodeJS* | *Github*

- Developed a website to view nearby restaurants, order from them and rate them
- Ensured data integrity through secure authentication using JWT tokenization

## Achievements

- Competitive Coding: Codechef Max Rating: 1851 (4 stars), Codeforces Max Rating: 1580 (Specialist)
- Rank 205 of 4992 teams at ICPC 2021-22 preliminary round, stood first in my college
- Winner, PICT Clash, Pune Institute of Computer Technology: 3-hour coding contest held by IEEE society of PICT with 5 questions based on DSA
- Winner, Technovanza Ultimate Coder, VJTI: 3 round open contest with first round based on DBMS, OS and other two on DSA

## Positions of responsibility

**Competitive Programming Head, VJTI**

- Organized multiple coding events in my college like "Codetracks", "CTF" and "Codestorm"
- Taught C/C++ and DSA at various workshops conducted by CoC attended by 200+ juniors

**Mentor for Inheritance, COC**

- Mentored 2 teams for their app development projects
- Helped them learn various tools and frameworks required to build their project