

# SAKSHAM TIKOO

Mumbai, Maharashtra, India

B.Tech Computer Science   [✉ tikoosaksham@gmail.com](mailto:tikoosaksham@gmail.com)   [in](#) [Linkedin](#)

## Education

**Veermata Jijabai Technological Institute (VJTI)**

**August 2019 - May 2023**

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

*Mumbai, India*

**Kendriya Vidyalaya Andrews Ganj**

**March 2013 - March 2018**

*Higher Secondary School Certificate, Score: 91.80%*

*Delhi, India*

## Experience

**Morgan Stanley** *Application Developer*

**May 2022 - July 2022**

- 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.
- Also Implemented SSO for this application to enable seamless user interaction between apps and auto populate dynamic fields by using access tokens. This enhanced the overall customer experience for the app.
- Modularized the monolithic registration form which reduced the overall wait time and helped reduce UI lag.

**iMocha** *Problem Setter*

**August 2021 - April 2022**

- Created coding challenges based on Data Structures and Algorithms. These challenges were used by our clients for recruiting tech talent and were an integral part of making hiring decisions.
- As part of my job, I also provided solutions to the problems and verified the solutions provided by others.

## 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**

- Head of Competitive Programming division of my college and under my leadership 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.

## Technical Skills

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

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

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

## 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 multifactor 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.