

EDUCATION

University of Mumbai - Thadomal Shahani Engineering College (TSEC)

B.E. in Computer Engineering (CGPA 9.3/10)

Graduating May 2024

Mumbai, India

Relevant Coursework: Data Structures, Analysis of Algorithms, Operating Systems, DBMS, Computer Networks, Theoretical Computer Science, Computer Graphics, Object Oriented Programming, Python Programming, Machine Learning

EXPERIENCE

Aumsat Technologies

Software Development Engineer Intern | Recommendation Letter 

Jun 2023 — Oct 2023

Mumbai, India

- Conceptualised a **ground subsidence detection software** to analyse the effects of over-extraction of groundwater.
- Analyzed Sentinel-1 **satellite data**, providing insights into 5-year ground subsidence trends for the city of Udaipur.
- Leveraged **PyGMTSAR**, a model for earthquake-related subsidence detection, to analyze satellite data effectively.
- Created a Python-based **Flask** back-end along with a **React.js** dashboard under **Dockerized** environment.

Skinzy Software Pvt. Ltd.

Frontend Intern

Oct 2021 — Dec 2021

Mumbai, India

- Designed a **web application DermaDesk** using Figma, facilitating the viewing and scheduling of doctors' appointments.
- Improved the company website's user interface with **TypeScript and React.js**, reducing design asymmetry.

PROJECTS

ZeroWaste 3.0 | React.js, Leaflet, Flask | Demo

Aug 2023 — Oct 2023

- Designed and deployed an interactive waste generation dashboard for city of Mumbai. Users navigate data at 4 hierarchical levels.
- Enhanced user insights via geographical visualization and date-range filtering for tailored data exploration.

Rashi Pay (Smart India Hackathon 2022) | React Native, TailwindCSS, Express.js

Mar 2022 — Aug 2022

- Wallet-based offline digital payment application for peer-to-peer payments using Bluetooth or WiFi Direct.
- Winning project at Smart India Hackathon 2022. Employed RSA cryptography for offline transaction security.
- Crafted the application's user interface using React Native and integrated it with Express.js backend.

Alpha trading | React.js, Firebase, TailwindCSS | Code | Demo

Dec 2021 — Mar 2022

- Web application offering simulated stock trading enabling a risk-free exploration of trading strategies.
- Provides users with up-to-date market news to help them make informed decisions.

CodeHub E-tutorial website | React.js, Firebase, TailwindCSS | Code | Demo

Sep 2021 — Dec 2021

- User-friendly E-learning platform offering easily understandable web building tutorials for students.
- Equips students with a guided path to web development, enriched with resources like books and quizzes.

TECHNICAL SKILLS

Programming languages	JavaScript, Python, C++, Java
Technologies/Frameworks	React.js, Flutter, React Native, Express.js, Docker
Databases	MongoDB, PostgreSQL, MySQL, Cloud Firestore
Tools	Git, Figma, Canva, Postman, Jupyter
Platforms	GitHub, Firebase, Alchemy, Kubernetes

COMMUNITY ACTIVITY

Google Developer Student Clubs TSEC

Community Lead and Core Team Member

Jul 2021 — May 2023

- Led a team of 10 members and managed a community of 600+ students.
- Organized 14 technical events and workshops, with 2000+ participants.

TSEC CodeCell

Junior and Senior Committee Member

Aug 2021 — Apr 2023

- Organized 2 editions of TSEC Hacks(2022-2023), a 24-hour hackathon with 200+ participants each.
- Executed 4 technical events with a combined total of over 700 participants.

EXTRA CURRICULAR ACTIVITIES

• Top 20 at Harbinger 2.0 RBI International hackathon out of 363 teams from 22 countries.	2023
• Successfully completed the AICTE-MathWorks Virtual Internship Program, 'Introduction to Artificial Intelligence'	2023
• Excelled in a 6-week Data Science and Machine Learning course by Consulting & Analytics Club, IIT Guwahati .	2023
• Won Smart India Hackathon 2022 among 30,000 teams nationwide for developing an offline payments interface.	2022
• Attended the ACM Winter School on digital trust at IIT Bombay covering topics on cybersecurity and blockchain.	2022