

# NINAD NAIK

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## EDUCATION

### Bachelor of Engineering in Information Technology

University of Mumbai — Thadomal Shahani Engineering College, Mumbai

2021 - 2025

CGPA: **8.51 / 10**

## WORK EXPERIENCE

### SDE Intern (Backend), Commotion ([gocommotion.com](https://gocommotion.com))

January 2025 - Present

- Developed **scalable back-end microservice** for an **enterprise integration platform** using **NestJS** and **GraphQL**, prioritizing high performance and maintainability along with **unit testing**, **DRY** principle, and **Module pattern**.
- Integrated enterprise-grade applications (Salesforce, Shopify, Trello) via **REST APIs**, **GraphQL resolvers** and **Webhooks**, enabling seamless **customer-seller workflows** and automated **data synchronization**.

### Full Stack Developer Intern, Arxena Inc. ([arxena.com](https://arxena.com))

June 2024 - July 2024

- Improved efficiency of the recruitment process by enhancing the existing pipeline and developing a **GPT-powered WhatsApp chatbot** in **NestJS**, **WebSocket API**, **GraphQL** and **React.js**, streamlining communication with candidates.
- Managed and deployed applications running on **AWS EC2**, reducing costs by upto **75%** (detailed in [GitHub Gist](#)).
- Migrated core and active services between AWS accounts, **maintaining configuration integrity** and **minimizing service disruption**.

### Information Technology Intern, Kraymera Study Abroad ([kraymera.com](https://kraymera.com))

June 2023 - September 2023

- Developed and implemented a **CRM system** with **automated WhatsApp Business API processes** using **Deluge scripting**, deploying CentOS server and configuring networking devices and GSM gateway to drive an increase in lead conversion and enhance customer acquisition strategies.

## PROJECTS

### SpeakSure, Python, Flask, Tensorflow, React.js, MongoDB

April 2025

- Led a team in the creation of an **AI public speaking practice app**, with a primary focus on analyzing speech metrics such as **filler words**, **speech pace**, and **confidence levels**. Integrated features to save results, **analyze progress** and **provide comprehensive feedback**.
- Trained **multilayer perceptron (MLP)** model on a custom made dataset with **250** audio samples of 30 seconds each by extracting features with Wav2Vec2 and achieved **97.37%** testing accuracy.

### Shortomega, Next.js, NestJS, TypeScript, Redis, Docker | ([Website](#), [GitHub](#))

October 2024

- Developed a **Full Stack URL Shortening App** that generates short URLs for long URLs, with a focus on performance.
- Published a [technical blog](#) describing the methods of using **Redis as a Primary Database**.
- Implemented **Rate Limiting**, **Caching** and **Analytics** features using Redis, and **Dockerized** the application for easy deployment. Leveraged Next.js **Server Side Rendering** for fast webpage load at client side.

### CodeIt, React.js, Flask, Firebase, Docker, Amazon Web Services | ([GitHub](#))

October 2023

- Created a specialized **full-stack online coding platform** with remote code execution using Judge0 API supporting languages—**C++**, **Java**, and **Python** and instructor tools for coding challenges, submission oversight, and an integrated learner/instructor dashboard with code editor and analysis.

## SKILLS

**Languages:** C, C++, Java, Python, JavaScript  
**Frameworks:** Next.js, Node.js, Express.js, NestJS  
**API:** REST, GraphQL

**Web:** HTML, CSS, Tailwind CSS, React.js, TypeScript  
**Databases:** MySQL, PostgreSQL, MongoDB, Cloud Firestore  
**Platforms & Tools:** Linux, Docker, Git, GitHub, AWS, Firebase

## ROLES OF RESPONSIBILITY

### Responsible Computing Fellow, SimPPL ([simppl.org](https://simppl.org))

March 2024 - June 2024

### App Team Member, Developers' Club - TSEC ([LinkedIn](#))

March 2023 - March 2024

### Core Team Member, Google Developer Student Clubs - TSEC ([Website](#))

August 2022 - April 2024

## ACHIEVEMENTS & EXTRACURRICULAR ACTIVITY

- First Runner Up — CSS Battle** among **100+ participants**, CSI TSEC. September 2022
- First Runner Up — Javagenix** (Java Project Hackathon) among **30+ teams**, IT Department, TSEC. October 2022
- Second Runner Up — PyExpo 2.0** (Python Project Hackathon) among **30+ teams**, IT Department, TSEC. April 2023
- Secured a position in the **Top 10** among **53 teams** in ACE Hacks 1.0, ACE Mumbai. March 2024
- Organizer of **GeekSpace** Tech Community ([Website](#)) of **480+ members** helping people get into tech.
- Solved **250+** Data Structures and Algorithms problems on **Leetcode**, **Codeforces** and other platforms.