

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)

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)

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)

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)

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.