NINAD NAIK

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EDUCATION

Bachelor of Engineering (Information Technology)   December 2021 - June 2025
University of Mumbai — Thadomal Shahani Engineering College, Mumbai   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.

PassVault, *Java, Swing, SQLite, Netbeans* (GitHub)   December 2022

- Created **a Password Manager app for desktop** leveraging SHA-256 hashing and AES encryption for robust security.
- Developed password generation, creation and deletion features. Secured **2nd prize in Javagenix Hackathon**.

SKILLS

Languages: C, C++, Java, Python, JavaScript	**Web**: HTML, CSS, Tailwind CSS, React.js, TypeScript
Frameworks: Next.js, Node.js, Express.js, NestJS	**Databases**: MySQL, PostgreSQL, MongoDB, Cloud Firestore
API: REST, GraphQL	**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.