

# MAYANK SAVALIYA

mayanksavaliya012@gmail.com | +91 9081673681

GitHub | LinkedIn | CodeForces | LeetCode | CodeChef

## EXPERIENCE

### • TLE Eliminators

Jan - Feb 2025

Mentor

Remote

- Resolved **50+** **algorithmic** doubts for students on various coding platforms, ensuring a clear understanding of problem-solving approaches.
- Provided structured debugging guidance and optimization techniques, improving student's code efficiency.
- Mentored students in systematic problem-solving, advancing their skills from implementation to optimization of complex algorithms.

## EDUCATION

### • Nirma University, Ahmedabad

2022-2026

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.66

## PERSONAL PROJECTS

### • SwiftRoute – Smart Route Optimization System | Github | Link

An AI-powered last-mile delivery optimization platform leveraging advanced algorithms for multi-vehicle route planning.

- Developed an intelligent delivery routing system optimizing multi-vehicle assignments, achieving **100% on-time** delivery rate based on vehicle priority, capacity, distance, and time constraints.
- Implemented real-time route optimization with interactive map visualization.
- Built an Excel-based system efficiently managing **1000+** **daily** deliveries across various time slots.
- **Technology Used:** Python, Flask, Pandas, NumPy, Folium, OpenPyXL.

### • My Chat App | Github

A real-time chat application with live messaging, user authentication, and secure data storage.

- Responsive UI designed with Daisy UI and Tailwind CSS, powered by Zustand for state management and Socket.IO for real-time communication.
- Backend developed with ExpressJS and MongoDB for robust data handling.
- **Technology Used:** ReactJS, Daisy UI, MongoDB, Socket.IO, Zustand, ExpressJS, Tailwind CSS.

### • Crypto Price Tracker | GitHub

A real-time web app for tracking cryptocurrency prices with dynamic charts and an intuitive UI.

- Designed a responsive UI with **100% mobile compatibility**, ensuring smooth navigation and accessibility.
- Developed interactive charts with up to **1-year** historical data, enabling better market trend analysis.
- **Technologies Used:** React.js, Vite, Tailwind CSS, Chart.js, CoinGecko API.

## ACHIEVEMENTS

- **ICPC Regionals:** Achieved AIR **22** in Kanpur and AIR **29** in Chennai Regional – Team: Greedy Turtles
- **Competitive Programming:** Max Rating: Codeforces **1916** (Candidate Master), CodeChef **2136** (5 Star)
- Rated **2500+** on LeetCode – Global Rank **57** in Weekly Contest 412, Global Rank **63** in Weekly Contest 413
- **Meta Hacker Cup 2024:** Secured global rank **1329** out of 22,000+ participants – Certificate
- **Hackathon:** MINeD Hackathon 2025 – **Track Winner** among 50+ competing team.

## TECHNICAL SKILLS

**Languages:** C/C++, Python, Javascript, HTML+CSS, Java

**Libraries and Frameworks:** C++ STL, Python Libraries, ReactJs

**Web Dev Tools:** Express.js, Node.js, Git, GitHub, React.js, Redux

**Cloud/Databases:** AWS, MongoDB, Firebase, Relational Database(mysql)

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Machine Learning, Computer Networks, Cloud Computing, Data Analysis and Visualization.

## CERTIFICATIONS

- **Supervised Machine Learning:** DeepLearning.AI & Stanford Online
- **ICPC Regional:** International Collegiate Programming Contest
- **The Complete Full-Stack Web Development Bootcamp:** Udemy - Dr. Angela Yu

## POSITIONS OF RESPONSIBILITY

### • Club Vice-President CodeAdda Programming Club

Nov 2024 - Present

- Organized **10+** coding contests, engaging **500+** **students** and improving problem-solving skills at Nirma University.
- Teaching various algorithms for competitive programming to **over 100 students** at Nirma University.