

Tanmay Anil Deorukhakar

Aspiring Software Engineer | AI & ML Enthusiast
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Computer Science student passionate about building real-world software applications. Seeking an internship to apply strong problem-solving and full-stack development skills.

Experience

NextLeap AI - Internship (Remote)

June 2025 – July 2025 | Duration: 1 month

- Contributed to building a comprehensive academic Q&A platform covering questions from various Indian textbooks and competitive exams.
- Performed data curation by capturing and uploading screenshots of textbook questions and their corresponding answers.
- Used the internal AI-powered portal to extract and validate question text, ensuring accuracy before triggering answer generation.
- Reviewed and regenerated AI-generated answers, identifying and correcting HTML formatting errors and content mismatches.
- Collaborated in a fast-paced, detail-oriented workflow involving quality assurance of thousands of entries.

Vehicle Number Plate Recognition System - Group Project (with a published Research Paper)

- Designed and implemented a Python-based VNPR system to detect and recognize license plates from images and videos using
- OpenCV and deep learning models. Achieved 92% recognition accuracy across varying lighting and angle conditions.
- Led documentation efforts for a **25-page research paper** and conducted project presentations. [\[LINK\]](#)

Ethical Hacking CTF Participant – Cybersecurity Event

Solved encryption, steganography, and binary challenges.

- Placed 138th out of 447 teams in Round 1 with a score of 1418.
- Placed 26th out of 50 finalist teams in Round 2.
- Gained proficiency in Burp Suite, StegSolve, and Python scripting

Projects

DSAdojo – Gamified DSA Learning Platform

[\[LINK\]](#)

Role: Full Stack Developer | Personal Project

Tech Stack: React, TailwindCSS, Supabase, Python, ElevenLabs, Tavus

- Designed a Duolingo-style interface for mastering DSA, with daily streaks, XP, and leaderboards to enhance retention.
- Created a categorized question bank with multiple formats: MCQs, fill-in-the-blanks, code-completion, and drag & drop.
- Implemented user authentication, progress tracking, and an admin dashboard for uploading structured problems.
- Focused on engagement-driven learning, helping students build a consistent DSA practice habit.

StockSim – Stock Market Simulator for Beginners

[\[LINK\]](#)

Role: Backend + Product Lead | **Hackonomics 2025 Global Hackathon Winner**

Tech Stack: React, Node.js, Express, Firebase, Alpha Vantage API

- Built a **risk-free stock trading simulator** that teaches investing through hands-on experience using real-time market data.
- Designed a **gamified experience** for tracking portfolio growth, earning badges, and comparing performance with peers.
- Led the product vision, collaborated with teammates to build a storytelling-driven pitch video for demo day.
- Featured as a top project at the hackathon for addressing **financial literacy** through simulation.

NutriScan – AI-Powered Nutrition Label Analyzer

[\[LINK\]](#)

Role: Frontend Developer | Hackathon Project

Tech Stack: React, Tesseract.js, OpenAI API

- Developed a tool that **scans food labels using OCR**, extracts nutritional values, and evaluates food healthiness.
- Integrated AI to **summarize health risks** (e.g., high sugar, sodium) and recommend healthier alternatives.
- Enabled users to search products by brand/category and receive **personalized dietary advice** based on scanned data.
- Focused on promoting **health awareness** and **informed food choices** through tech.

Swassth Mumbai – Smart Health & Safety Companion for Urban Communities

[\[LINK\]](#)

Role: Full Stack Developer & Report Generator | Hackathon Project (Theme: Urban Health Resilience)

Tech Stack: React, TailwindCSS, Python (Flask), OpenWeatherMap API, AQI APIs, Mapbox, GPT API

- Built a comprehensive web app to **empower vulnerable communities** in Mumbai with real-time health and safety information.
- Implemented features including:
 - **AQI and weather dashboards** using live environmental data.
 - **Disease outbreak mapping** and zone-wise alerts via interactive maps.
 - **Mental health chatbot** powered by GPT to offer supportive conversations.
 - **Health advisory and emergency resource info** tailored by user location.
- Developed **auto-generated PDF health reports** summarizing air quality, outbreaks, and recommended precautions.
- Designed with **mobile-first UI**, ensuring accessibility in low-resource environments.
- Recognized for promoting **urban health resilience** and integrating tech for public good.

Skills

Languages: C, C++, Java, Python

Query Languages: SQL

Web Technologies: HTML, CSS, JavaScript, React

Tools: Git, Android Studio, VS Code, OpenCV, Firebase, Framer Motion, TailwindCSS

Soft Skills: Teamwork, Time Management, Problem-Solving, Critical Thinking

Certifications

- CS50x – Introduction to Computer Science (Harvard)
- Meta Front-End Developer Professional Certificate – Coursera
- Prompt Engineering & Programming with OpenAI – Columbia University
- Gen AI Academy – Google Cloud
- 100 Days of Code: The Complete Python Pro Bootcamp – Udemy
- Master C++ Programming – Udemy
- Java Certificate – Dataflair
- Many Google Cloud Skills Boost Badges

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Education

B.E Computer Science Engineering (AIML), Mumbai University

2022 - 2026

G.V Acharya Institute of Engineering and Technology

HSC – Bifocal Science with Electronics

2020 - 2022

Model College