APURVA BHAVSAR

Email: apurvabhavsar31@outlook.com | Mobile: +91 9558100878| GitHub: CodeMaster1631, AB3116 (AB31)
Leetcode: Polymer1015 - LeetCode Profile | Linkedin: apurvabhavsar31 - Linkedin

PROFILE

Passionate about applying knowledge and technology to solve real-world problems. Excited to build new innovative solutions and improving existing solutions. Always a learner.

EDUCATION

NIRMA UNIVERSITY — Ahmedabad
Master of Engineering — Jul 2024 – May 2026
Major in Computer Science Engineering
Cumulative GPA: 8.46/10.0

VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE — Ahmedabad
Bachelor of Engineering — Jul 2018 - Jun 2022
Major in Power Electronics
Cumulative GPA: 7.77/10.0
Relevant Coursework: Artificial Intelligence and Machine Learning; Programming for Problem Solving; Python.

ADANI VIDYA MANDIR — Ahmedabad
Class X: 9.8 CGPA; Class XII: 77.8% — Jun 2008 - May 2018

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL, C, C++
Frontend: React.js, Next.js, HTML5, CSS3, Responsive Design, WCAG
Backend: Spring Boot, Node.js, Express.js, REST APIs
Core CS: Oriented Programming (OOP), Data Structures & Algorithms, Computer Network, OS
Tools & Technologies: Git, Docker, Spark, Hadoop, Jenkins, Ansible, Terraform, Linux
Databases and Other: PostgreSQL, MySQL, MongoDB, Deep Learning, Figma, Blockchain, Cloud Computing, GenAI

ACHIEVEMENTS

- Solved 500+ problems on LeetCode.
- Participated in Science Olympiad Foundation (SOF) International Mathematics Olympiad (2×) from school.

PROJECTS

BLOCKCHAIN BASED CARDIAC MONITORING SYSTEM — Jun 2025 - May 2026
- Developed Hyperledger Fabric based cardiac monitoring system.
- Created a patient-centric system where patients can store data, and control access to their data.
- Trained a CNN to detect abnormal heart rhythms and also an autoencoder to preprocess and remove noise.
- Crafted UI and developed sleek interface for each based on roles.

VISUAL QUESTION ANSWERING (VQA) SYSTEM WITH LLaVA:7B — Apr 2025
- Developed a VQA browser extension that uses Python with Flask for backend, integrating LLaVA:7B via Ollama.
- Implemented a modern UI with Tailwind CSS, adding speech recognition and chat history using Python and Web Speech API.

INTERIOR AND EXTERNAL ROUTING PROTOCOLS — Mar 2025
- Used GNS3 to demonstrate how multiple interior routing protocols including EIGRP, RIP, and OSPF interoperate with BGP within a network environment.

STELLARSCRIPT – FULL STACK PROJECT — June 2023
- Built using NextJS, MongoDB and other supporting libraries to deliver a sleek and modern UI.
- Enabled OAuth and credential-based authentication to let users login and create posts on the dashboard.
- Utilized both server-side and client-side rendering to optimize performance.

RESTAURANT BOOKING — May 2023
- Developed a React-based page that lets users book their tables at Little Lemon.
- Crafted the wireframe and prototype using Figma to ensure a smooth and appealing design.

CERTIFICATIONS AND BADGES

Oracle Cloud Infrastructure Certified AI Foundations Associate, Cisco Python Essentials 2, AWS Cloud Practitioner Essentials, Oracle Java Foundations, Meta Professional Front-End Developer, Principles of UX/UI Design, Advanced React, Version Control.