

BRIEF SUMMARY

Final-year Computer Engineering student with a strong foundation in full-stack development and applied AI. Experienced in building, testing, and deploying scalable applications using the MERN stack and Python. Passionate about solving complex problems with clean, efficient code and eager to contribute to a collaborative engineering team.

KEY EXPERTISE

Languages: JavaScript, TypeScript, Python, C++, C Frontend: React.js, HTML5, CSS3, Tailwind CSS, React Native
Backend: Node.js, Express.js, REST APIs, JWT Authentication Databases: MongoDB, PostgreSQL, MySQL, Supabase, SQL
AI / ML: TensorFlow, Keras, OpenCV, Computer Vision
Tools & DevOps: Git, GitHub, Docker, Figma, Vercel, Netlify, Render, PowerBi

EDUCATION

SIES Graduate School of Technology B.E. - Computer Engineering CGPA: 9.32 / 10	2022 - 2026
K.E.T.'s V. G. VAZE COLLEGE OF ARTS, SCIENCE AND COMMERECE, Mumbai 12 th MSBSHSE Percentage: 63.33 / 100	2022
OXFORD ENGLISH HIGH SCHOOL, Thane 10 th MSBSHSE Percentage: 92 / 100	2020

INTERNSHIPS

Greenox Tech Private Limited Environmental Service AIML Intern Key Skills: Data Cleaning model Computer Vision Machine Learning Data Collection Database Testing Data Processing Robotics Python Engineered a complete data pipeline, processing and annotating a dataset of 2,500+ images for a computer vision model designed to achieve 95%+ classification accuracy for a gantry robot.	15 Jul, 2025 - Present
S.I.E.S Graduate School of Technology Web Development Intern Key Skills: Supabase PostgreSQL Node.js Express.js React.js Hosting Maintenance Github Led the end-to-end development of a full-stack College ERP feedback module using the MERN stack, now serving 2,500+ students and 100+ faculty members.	01 May, 2024 - 31 May, 2025
WealthEra FinTech Pvt Limited Banking / Financial Services / Investment App Developer Intern Key Skills: Gradle API Integration Agile Development Version Control Node.js UX Design API Testing React Native Cursor Postman Owned the frontend development of a complete Android application using React Native, integrating over 15+ external APIs from concept to deployment in under 3 months.	15 Jan, 2025 - 15 Apr, 2025

PROJECTS

MORCER

Mentor: Prof. Jyoti Chavan | **Team Size:** 4

Key Skills: C Programming Arduino UNO

Project Link: <https://github.com/Naresh2308/MORCER-ENDEC>

Engineered a secure communication device using C Programming on an Arduino UNO, integrating Morse Code and Caesar Cipher algorithms for encrypted optical transmission.

Home Energy Monitoring System

Mentor: Prof. Urvashi Patkar | **Team Size:** 4

Key Skills: C Programming Python Arduino MySQL PHP

Project Link: https://github.com/Naresh2308/HEMS_SEM4

Developed a full-stack IoT system using an Arduino, Python, and PHP to track real-time household energy consumption, storing and analyzing the data in MySQL to identify optimization opportunities and reduce costs.

AI Security System

Mentor: Prof. Arathi Boyanapalli | **Team Size:** 4

Key Skills: DBMS (SQL) ANPR OpenCV CNN OCR Streamlit

Project Link: https://github.com/Naresh2308/AI_security_system

Developed a comprehensive security application featuring real-time facial recognition and ANPR using Python, OpenCV, and CNNs.

Road Safety Analysis Dashboard

Team Size: 1

Key Skills: Power BI Data Analysis Data Visualization Data Cleaning Power Query

Project Link: <https://github.com/Vrushabh-003/Data-Analysis-Dashboard>

Built a fully interactive Power BI dashboard to analyze and derive actionable insights from a dataset of over 300,000 road accident records.

ACHIEVEMENTS

- 1st Runner-Up, ENIGMA-3.0 WebVerse Hackathon: Led a team of four to design and develop a privacy-centric web application.

ASSESSMENTS / CERTIFICATIONS

Cloud Computing (SDP)

Gained hands-on AWS experience by deploying EC2 instances, managing S3 storage, and configuring IAM through a cloud fundamentals course.

Deep Learning (SDP)

Developed an AI Security System with a CNN for real-time recognition as a semester project, applying skills from a Deep Learning course.

AWS Academy Graduate - AWS Academy Cloud Foundations

Completed a 20-hour foundational course covering core AWS services, cloud concepts, security, and architecture principles.

Artificial Intelligence Fundamentals

Successfully completed a course on the fundamental concepts and applications of Artificial Intelligence.

POSITIONS OF RESPONSIBILITY

Management and Outreach Coordinator | Google Developer Student Club, SIES GST (AY 2023-2024)

- Organized **10+** technical workshops and events for the GDSC, significantly increasing student engagement and participation.

Senior Core Member - Treasurer | Team Prometheus (AY 2024-2026)

- Oversaw all financial operations for Team Prometheus, including event budgeting and expense management.

WEB LINKS

- Personal - <https://vrushabhshirke.netlify.app>
- Github - <https://github.com/Vrushabh-003>