KALE HARSHAVARDHAN PRATAPRAO

Developer — Pune

+91 81778 76465   —   kalehp22.comp@coeptech.ac.in

Portfolio   —   GitHub   —   LinkedIn   —   LeetCode

Education

COEP Technological University, Pune   Nov 2022 – Jun 2026
B.Tech in Computer Engineering

Samarth Madhyamik va Uchhamadhyamik Vidyalay, Karjat   Jun 2020 – Dec 2021
Higher Secondary   Percentage: 94.83%

Dynamic English School, Karjat   Jun 2018 – May 2019
Secondary   Percentage: 91.20%

Skills

Languages: C++, C, Python, Dart, HTML, CSS, JavaScript, SQL, MySQL, MongoDB
Frameworks: Node.js, React.js, Flask, Express.js, Scikit-learn
Concepts: Data Structures, OOP, DBMS, Computer Networking, Machine Learning, Deep Learning
Tools: Git, GitHub, PowerShell

Experience

Product Development Intern — Schaeffler Technology Solution   Jun 2025 – Aug 2025

- Developed automated PowerShell scripts for server configuration, reducing provisioning time from **days to few hours**.
- Standardized environment configuration across 4+ servers, reducing deployment failures by **40%**.
- Created reusable automation modules to ensure consistency in future deployments.

Lead Developer Intern — Mirai (Startup, BuildUp Internships)   Dec 2025 – May 2025

- Led a 4-member development team to create "**Mirai**" — a MERN-based career guidance platform.
- Integrated strength-based assessment, career domain recommendations, immersive simulations, and real-time analytics dashboards.
- Designed a role-based admin dashboard with dynamic routing and data visualization.
- Increased user engagement by **35%** during pilot testing with 200+ students.

Projects

Database Engine in C++   Apr 2025 – Present
GitHub Link

- Designed a SQL-compatible engine supporting CRUD, B-tree indexing, and write-ahead logging.
- Achieved **3K QPS** and **70% faster recovery** after crashes.
- Stack: C++, Crow Microframework.

Coep-connect — Flask Web App   Jan 2024 – Apr 2024
GitHub Link

- Developed a Flask-based social media platform for students to connect within the college community.
- Enabled posting of polls with options to post under real name or anonymously.
- Built a unique "Connect to People" feature — students can request connections based on interests, clubs, sports, or help in academic fields.
- Stack: Python Flask, MongoDB, HTML, CSS, JavaScript.

Sentiment Analysis — ML Model   Jan 2025 – Mar 2025
GitHub Link

- Built a multi-class sentiment classifier (positive/neutral/negative) achieving 85% accuracy using Logistic Regression on balanced Twitter data.
- Tech Stack: Python, NLTK, Scikit-learn, Pandas, TF-IDF/CountVectorizer.

Automated Attendance System with Facial Recognition   Jan 2025 – Apr 2025
GitHub Link

- Built a full-stack system for automated attendance using real-time face detection.
- Integrated role-based access control for teachers and administrators.
- Stack: Python, Flask, OpenCV, Face Recognition library, MongoDB, JavaScript.

Extra-Curricular

ESM Head, COEP-Regatta   Nov 2024 – Mar 2025

- Led design and implementation of electronic systems for flagship events.

Web Coordinator, Pune Startup Fest   Aug 2023 – Apr 2024

- Developed and maintained event website with a team of 6.
- Managed timelines and feature rollouts.

Web Coordinator, COEP - Civil Services Aspirants Club   Aug 2023 – Present

- Maintained official website and published 50+ updates on schemes and announcements.

Languages

English (Proficient), Hindi (Native), Marathi (Native)

Interests

- Fort Trekking - explored historic forts.
- Science fiction movies - inspired interest in futuristic tech.