

Vedant Vyawahare

B.Tech in Computer Science Engineering | MIT-WPU, Pune

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SUMMARY

Third-year B.Tech CSE student and full-stack MERN developer with hands-on experience shipping production-grade web applications, security tooling, and computer-vision systems. Proven ability to own end-to-end development. Certified in OCI, Python, SQL, and Cloud. Active contributor on GitHub.

EDUCATION

B.Tech – Computer Science Engineering, MIT-WPU, Pune

2023 – Present

GPA: 8.22 / 10

HSC – Yashwantrao Mahavidhyalay, Maharashtra State Board

2021-2023

Score: 88%

PROJECTS

TaskFlow — Full-Stack Task Management App

MERN, JWT, Vercel | March 2026

[Live: taskfloww.vercel.app](#)

- Built a production-grade, Jira-style Kanban board with JWT authentication, role-based data isolation, and drag-and-drop task management (Not Started → In Progress → Completed) using @dnd-kit.
- Designed a RESTful MERN backend with Mongoose schemas, Express middleware, and serverless deployment on Vercel; supports full CRUD for tasks, users, and team members.
- Implemented JWT refresh-token auth with bcryptjs password hashing, per-user data isolation, and environment-separated config for local and cloud deployments.

MedTrace — Pharma Batch Record Tracker (EBR/MES)

MERN, JWT, pdfkit | April 2026

[Github.com/vedant24v/medtrace](#)

- Engineered a full-stack Electronic Batch Record (EBR) system simulating pharmaceutical MES workflows recipe management, sequential batch execution, digital e-signatures, and admin approval flows.
- Built role-based access control (Operator vs Admin) with httpOnly JWT cookies, CORS protection, and Mongoose injection prevention.
- Integrated pdfkit to generate GMP-compliant batch record PDFs on demand and Recharts for an admin analytics dashboard tracking KPIs and 30-day batch trends

Real Time Weapon Detector

Python, YOLOv8n (Ultralytics), OpenCV, Tkinter | Feb 2026

[Github.com/Vedant24v/Real-Time-Weapon-Detector](#)

- Trained a YOLOv8n model to detect 5 weapon classes (handguns, rifles, knives, explosives) in real time via webcam with per-frame FPS and latency telemetry displayed in a desktop Tkinter console.
- Added confidence-threshold slider for precision control, per-category detection breakdown, and CSV + snapshot export for audit-friendly evidence logging.

Internshala Job Alert Bot

Python, BeautifulSoup, Requests, Telegram Bot API | Jan 2026

[Github.com/Vedant24v/job-alert-bot](#)

- Automated daily scraping of Internshala, filtering listings by keyword and location, deduplicating across runs, and pushing formatted alerts with apply links to Telegram at 9 AM.
- Built persistent deduplication using a local store to prevent repeat notifications; optimised crawl intervals to avoid rate limiting.

TECHNICAL SKILLS

Languages

JavaScript (ES6+), Python, C++, C, SQL

Web Development

React 18, Node.js, Express.js, MongoDB, REST APIs, JWT Auth, Flask, HTML5, CSS3, Figma

Security

OWASP Top 10, Vulnerability Scanning (XSS, SQLi), HTTP Security Headers.

Testing & Automation:

Automated API Testing (pytest), REST API Validation, Negative/Edge-case Testing.

Cloud & DevOps

Oracle Cloud Infrastructure (OCI), AWS, GCP, Vercel, Render, Git/GitHub, CI/CD Concepts.

Concepts & Tools

Data Structures & Algorithms (DSA), OOP, OpenCV, Figma, VS Code.

CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

- ❖ Cloud & AI: Oracle Cloud Infrastructure 2025 AI Foundations, Google Cloud DLP, Google Cloud Innovator
- ❖ Programming: HackerRank SQL (Intermediate) & C++ (5 Stars), MyCaptain Python, Google Digital Marketing
- ❖ SIH'24 & '25 Nomination – Selected for Smart India Hackathon internal rounds at MIT-WPU.
- ❖ Member – Google Developer Student Clubs (GDSC), RIDE (Research, Innovation, Development, Ennovation)