

Vivek Patil

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EDUCATION

Vishwakarma Institute of Technology (VIT)

Bachelor of Technology in Computer Science **CGPA: 9.35/10**

Pune, IN

Jul. 2024 – Present

SSVPS Science College

HSC (Higher Secondary Certificate, Maharashtra Board) **Score: 85%**

Dhule, IN

Aug. 2022 – May. 2024

North Point School

ICSE (Class X) **Score: 93%**

Dhule, IN

Mar. 2022

PROJECTS

Terminal Form | Go, GORM, Bubbletea, Lipgloss, PostgreSQL, AWS

- Built an interactive terminal-based form accessible via SSH using the Bubbletea TUI framework and styled with Lipgloss.
- Integrated PostgreSQL for data storage with GORM, deployed on AWS for remote accessibility.

Codeforces Progress Tracker | React, Express, TypeScript, MongoDB, Tailwind CSS, Node.js

- Developed a full-stack web app to track and visualize student progress on Codeforces using real-time Codeforces API integration.
- Implemented automated sync jobs with `node-cron` and inactivity email alerts using `Nodemailer` and SMTP configurations.
- Built rich visual analytics such as submission heatmaps, problem difficulty breakdowns, and contest performance trends using Recharts.
- Engineered admin features for CRUD operations on students, configurable sync schedules, and system health monitoring.

Quizzer | Next.js, Prisma, PostgreSQL, AWS, Docker, NextAuth

- Developed a quiz platform enabling teachers to create and distribute quizzes to students.
- Implemented a real-time leaderboard and performance dashboard.

SecureMe | React Native, Express.js, Next.js, Posgresql,prisma

- Developed a cross-platform mobile safety app that captures real-time location, image, and audio upon SOS trigger and sends data to a secure backend.
- Implemented community alerts to notify nearby users during emergencies, improving local response times.
- Built a web dashboard in Next.js for authorized peoples to access SOS reports, including audio and image evidence.

MCQ Quiz Solver | React, Chrome Extension, Google Gemini API, Tailwind CSS

- Built a Chrome extension that automatically solves Google Form MCQs using Google's Gemini AI API.
- Engineered seamless integration with Google Forms to extract questions and options in real-time.
- Used Tailwind CSS and React to create a clean and responsive user interface for easy interaction and control.

Chill-Stats | Next.js, LangFlow, AstraDB, Vercel

- Developed a chatbot that provides real-time content suggestions for social media creators.
- Used AstraDB for structured data storage.
- Built dynamic dashboards to visualize content engagement and performance.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, C/C++, Golang, PHP, HTML, CSS, Java

Frameworks and libraries: React, Next.js, express, Flask, Django, gin

Developer Tools: Linux, Git, Docker, AWS, VS Code, Vim/Neovim

ACHIEVEMENTS

Pentathlon 2025 Finalist

Crescendo Software Hackathon Winner