ADITYA VEDPATHAK

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Education

Pimpri Chinchwad College of Engineering, Pune	**Nov 2022– June 2026**
Bachelor of Technology in Computer Science	*CGPA - 7.51(out of 10)*

Technical Skills

Languages: C++, C, Kotlin, Python
Web Technologies: HTML, CSS, JavaScript, GraphQL
Frameworks: Next.js, React, Express, Node.js, Jetpack Compose
Cloud DevOps: AWS (EC2, S3, Lambda), Docker, CI/CD (GitHub Actions)
Databases: MongoDB, MySQL, PostgreSQL, Supabase, Prisma
Tools: Git, VS Code

Projects

ChatWithPDF || *Next.js, Tailwind CSS, OpenAI, Stripe*   **Nov-2024**
- Developed a **SaaS platform**allowing users to upload PDFs/DOCs and interact with AI, reducing manual document analysis time by **70%**.
- Implemented **OpenAI API & OCR** to convert documents into text with **95% accuracy**, improving data extraction efficiency.
- Integrated **Stripe API** to streamline payment processing, handling **100+ transactions per month** and ensuring **99.9% uptime**.

Collaborative Coding Platform || *React, WebSockets, MongoDB*   **Dec-2024**
- Engineered a real-time coding platform enabling collaborative code execution for multiple users, Reduced latency by 40% and supporting up to 30 concurrent participants per room.
- Leveraged WebSockets to Enabled real-time synchronization of code changes, minimizing lag by 40% and accommodating up to 50 concurrent users per session.
- Integrated video call functionality within coding rooms, enhancing collaboration and improving communication for over 200+ active users.

Realtime Feedback System for Assignments || *ReactJs, NodeJs, Python, Supabase*   **Feb-2025**
- Built an AI-powered platform for assignment analysis, automating feedback and improving submission quality by 20%.
- Integrated **Google Classroom API** and **OCR** to automate submission processing, cutting manual workload by 40% and doubling speed.
- Leveraged **Supabase (Vector DB)** for fast assignment retrieval, boosting AI feedback accuracy by 30%.

Achievements

- Secured **1st place** in **Hackmatrix** hackathon, outperforming 100 teams with problem-solving and technical expertise.
- Secured **3rd place** in **TechFiesta 2025**, an international hackathon organized by PICT Pune, competing against 100+ teams in the **Educational Technology** domain.
- Secured **2nd place** in **UI Verse Hackathon**, showcasing excellence in UI/UX design and development.
- Secured **3rd place** in **Innovative Business Idea Competition** at PCCOE Pune for proposing a groundbreaking business solution.

Positions of Responsibility

- **Technical Head, PCCOE ACM Student Chapter** (Sep 2024 – Present)
- Co-ordinated **Codigo**, the biggest coding event at PCCOE TechFest, attracting numerous participants and promoting competitive programming.

Certifications

- Completed **MySQL Course** on Udemy.
- Passed **SQL Intermediate Skill Test** on HackerRank.
- Completed **Web Development Bootcamp** on Udemy.