ADITYA VEDPATHAK

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Education

Pimpri Chinchwad College of Engineering, Pune **Nov 2022 – June 2026**
Bachelor of Technology in Computer Science *CGPA: 7.43 (out of 10)*

Technical Skills

Languages: C++, C, Kotlin, Python , SQL
Web Technologies: HTML, CSS, JavaScript
Frameworks: Next, React, Angular, Express, Node, Jetpack Compose
Databases: MongoDB, MySQL, PostgreSQL, Supabase,NeonDB
Tools/Technologies: GitHub, Linux, Docker, DevOps (CI/CD, GitHub Actions)

Projects

EduEase || *ReactJs, NodeJs, Python, Supabase* || 🔗 Live Link **Feb 2025**
- Created a comprehensive platform for analyzing student assignments, delivering automated feedback and enhancing learning outcomes; achieved an average improvement of 20% in submission quality across participating classes.
- Connected Google Classroom API and OCR to fetch assignments, extract text, and process submissions, reducing manual workload by 40% and improving processing speed by 2x.
- Employed Supabase (Vector Database) to store and retrieve assignment embeddings, improving AI-driven feedback retrieval speed by 30% and enhancing accuracy in grading recommendations.

CodeConnect || *React, WebSockets, MongoDB ,Python* || 🔗 Live Link **Dec 2024**
- Built a real-time coding platform enabling collaborative code execution for multiple users, reducing latency by 40% and supporting up to 30 concurrent participants per room.
- Utilized WebSockets to enable real-time synchronization of code changes, minimizing lag by 40%.
- Incorporated an AI-powered code assistant to detect errors and provide contextual suggestions, improving debugging and development workflow.

DocChat AI || *React.js, Python, Pinecone, Claude AI, LangChain, Kafka* || ⌨ GitHub **Jan 2025**
- Developed a web app to let users upload PDFs and ask questions about the content.
- Processed and embedded 10,000+ document chunks with Pinecone; enabled semantic search with Claude AI via LangChain.
- Integrated Kafka for scalable, real-time document processing and asynchronous communication.
- Reduced manual document review time by 70% and achieved 93% answer accuracy in user testing.

Achievements

- Won 1st place at Hackmatrix Hackathon, a national competition with over 100 teams, for innovation in EdTech.
- Secured 3rd place at TechFiesta 2025, an international hackathon organized by PICT Pune, focused on educational technology.
- Secured 2nd place at UI Wars Hackathon for outstanding Frontend design and development.
- Awarded 3rd place in an Innovative Business Idea Competition for presenting a unique and scalable startup concept.

Positions of Responsibility

- **Technical Head, PCCOE ACM Student Chapter** *Sept 2024 - Feb 2025*
- Planned and led Codigo, the main coding event at PCCOE TechFest, attended by over 500 participants.
- Led a team of 20+ to execute Hacktopia Hackathon under Hacktoberfest, coordinating 100+ teams nationwide and expanding chapter engagement by 60%.

Certifications

- **C++ Programming Certificate** — Udemy (30 hours): Core Concepts, OOP, STL
- **React Certificate** — Udemy (10 hours): Components, Hooks, Routing
- **DevOps Beginner to Advanced Certificate** — Udemy (50 hours): CI/CD, Docker, Jenkins, Kubernetes
- **Python Programming Certificate** — Udemy (10 hours): Syntax, Data Structures, Pandas, NumPy
- **SQL Programming Certificate** — Udemy (4 hours): Queries, Joins, Database Management

Coding Platform Profiles

Leetcode CodeChef GeeksForGeeks