SOHAM AGAWANE

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EDUCATION

PES Modern College of Engineering | **Pune, India**
B.E. in Artificial Intelligence and Machine Learning | *2021-2025*

EXPERIENCE

The Code Culture | **Sept 2024 - Feb 2025**
Project Intern | *Pune, India*

- Developed backend services for an **AI-assisted Learning Management System**, supporting course management, content workflows, and student progress tracking.
- Implemented and maintained RESTful APIs and database schemas to handle user onboarding, enrollment flows, and persistent academic data with reliable request–response behavior.
- Integrated intelligent content features such as summarization and practice question generation, reducing manual content review effort by 30% and improving learner engagement by 20%.
- Collaborated with with frontend developers to define API contracts, resolve data inconsistencies, and ensure smooth end-to-end feature delivery.

PES Modern College of Engineering | **Dec 2023 - Feb 2024**
Undergraduate Intern | *Pune, India*

- Enhanced a web-based **Smart Attendance and Activity Tracking System** by improving backend workflows for attendance records, academic activities, and course operations.
- Implemented real-time notification delivery for instructor announcements and attendance updates, improving system responsiveness and reducing manual follow-ups by 30%.
- Refactored data handling logic to improve consistency and reliability across attendance and activity logs.

PROJECTS

HireHub - Job Bidding Application ⬈ | **Dec 2025 - Jan 2026**

- Delivered an end-to-end job bidding platform covering UI, backend services, and data models to support job posting, bidding, and employer–freelancer workflows.
- Architected scalable APIs and schemas to manage job lifecycle states and bid validation under concurrent user activity.
- Established centralized validation and error-handling pipelines, reducing API failure rates by 25%.
- Optimized resume and image upload workflows, cutting file-processing latency by 20%.

Second Brain Application ⬈ | **Sept 2025 - Oct 2025**

- Engineered a full-stack application to capture, organize, and retrieve diverse user content including notes, web links, tweets, and video references within a unified system.
- Modeled modular service layers separating authentication, content processing, and data access, improving maintainability and enabling easy feature extension.
- Optimized content retrieval and save operations by 30% through query optimization and streamlined data access flows.

Blockchain-Based Crowdfunding Platform ⬈ | **Jan 2025 - Apr 2025**

- Constructed an end-to-end decentralized crowdfunding platform integrating a web interface with blockchain-based transaction processing.
- Formulated and authored smart contracts for campaign management and transparent fund distribution with secure state transitions.
- Applied low-level design using a layered architecture, and leveraged the Factory pattern to manage campaign creation logic, smart contracts and application services.
- Reduced transaction costs by 15% through gas optimization and achieved stable confirmation times during testing.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Solidity
Framework & Libraries : React.js, Tailwind CSS, Node.js, Express.js
Databases: MongoDB, MySQL
Developer Tools & Platform: Git, Docker, AWS, Postman