ADIL DEOKAR

AI Developer | Software Developer
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EDUCATION

MIT Art, Design & Technology University, Pune *Jun 2023 – Present*
B.Tech (ongoing) • CGPA: 8.75 • Management Lead at Ideate • TEDx MITADT Team • Tech Team CodeChef

Bishops School, Pune *June 2013 – May 2021*
Grade: 92% • SAT Score: 1350 • House Captain • 3× Best Basketball Player Award • School Team Captain (Basketball, Badminton, Volleyball & Cricket)

Rajiv Gandhi Jr College *Jun 2021 – May 2023*
Grade: 71.33% • SAT Score: 94%ile • National Level Basketball (Maharashtra) • State Rifle Shooter (Pune)

SKILLS

AI / ML: Agentic AI Development, Generative AI, LLM & Prompt Engineering, MLOps, Deep Learning, Edge Computing & Optimization **Languages:** Python, C++, Java, C#, JavaScript
Cloud & DevOps: AWS, Azure (App Service, Static Web Apps, Postgres), CI/CD with GitHub Actions & Docker, Post-Production Deployment **Frontend & Design:** React / Next.js, Three.js, UI/UX, Framer, Adobe Apps, WordPress

INTERNSHIPS

Software Development and AI Intern - Monkstack Solutions LLP *Feb 2026 – June 2026*
- Built full-stack Next.js/React applications and developed a Three.js app for an onboarded client
- Integrated Azure Postgres backend; orchestrated full deployments on Azure App Service and Static Web Apps with CI/CD via GitHub Actions and Docker

Software Developer - DKC DevKnight Technologies Pvt Ltd *Oct 2025 – Feb 2026*
- Architected scalable AI systems and intelligent automation frameworks; ensured seamless design-to-tech integration
- Led development of AI agents, backend infrastructure, and performance optimization - turning complex logic into fast, reliable code

Lead Tech & AI - Hayy Media Pvt Ltd *Oct 2024 – Oct 2025*
- Led end-to-end development and launch of HayyAI as a live SaaS product, owning architecture, model integration, and production rollout
- Built CI/CD pipelines with logging, metrics, and error monitoring enabling weekly releases without regressions
- Designed user-first UX flows so non-technical teams could go from idea to AI-powered output in minutes; coordinated cross-functional delivery across content, design, and ops

SDE Intern - SoftTech Engineers Ltd. *Jun 2024 – Aug 2024*
- Enhanced live software products; added file export features; built a password-protected PDF viewer saving client time

AWARDS & PROFESSIONAL TITLES

- **Winner** - Smart India Hackathon (SIH 2024) | **Winner** - IEEE INNOVATEX 2026 | **Winner** - Innovation2k25, College of Engineering Phaltan
- 2nd Runner-Up - We Pitch, MIT ADTU Pune | IBM Certified: **AI Product Manager** | Google Cloud: **Generative AI Leader** | AWS Certified Data Engineer (Exam Prep DEA-C01)

CERTIFICATIONS

IBM (10): Product Management: Foundations & Stakeholder Collaboration • Initial Product Strategy & Plan • Product Management: An Introduction • Building AI-Powered Products • Supercharge Your PM Career with Gen AI • Generative AI: Foundation Models & Platforms • Generative AI: Introduction & Applications • Generative AI: Prompt Engineering Basics • Introduction to Artificial Intelligence • Python for Data Science, AI & Development
AWS (5): Application Integration & Networking • Data Analytics • Databases • Security, Governance & Compliance • Storage
Google Cloud (4): Gen AI: Unlock Foundational Concepts • Gen AI: Navigate the Landscape • Gen AI: Beyond the Chatbot • Gen AI Apps: Transform Your Work
Other (1): University of Pennsylvania - Computational Thinking for Problem Solving

PROJECTS

Krew - Multi-Agent AI Organization *National Hackathon Winner | 700+ teams*

- Built Krew, a manager-led team of specialized AI agents that collaborate, critique, and hand off tasks to deliver higher-quality outputs than single-agent systems.
- Engineered enforced collaboration with defined roles, goals, and backstories, plus tracing and guardrails to reduce hallucinations and keep workflows reliable.
- Delivered a production-ready orchestration layer with parallel/sequential pipelines, tool integrations, and observability for repeatable, end-to-end execution.

Clause AI - Legal Multi-Agentic System

- Built an AI-driven contract analysis platform that detects risk, bias, and ambiguity, and surfaces actionable insights to support fair, data-backed negotiations.
- Designed a contextual intelligence layer that adapts drafting and reviews to a company's voice and risk profile, ensuring consistent, on-brand legal outputs at scale.
- Implemented simulation and benchmarking capabilities to stress-test clauses and compare against industry patterns, improving contract resilience and decision quality.

SIH 2025 - Rake Optima *90–95% wagon utilization • ~30% logistics cost reduction*

- Built a cloud-native optimization engine using demand forecasting, material-to-rake matching, and multi-objective optimization to generate end-to-end rake plans in minutes with disruption-aware re-optimization.Rake-Optima-Presentation-SIH-2025.pdf
- Achieved 90–95% wagon utilization with ~30% logistics cost reduction by unifying route planning, loading sequencing, and dispatch scheduling into a real-time decision support workflow.

AI Crowd Flow Analytical System - Jetson Orin

- Built an edge AI system on NVIDIA Jetson Orin to perform real-time crowd counting, flow analytics, and congestion alerts across multi-camera streams with low-latency, on-device inference.
- Delivered privacy-preserving, scalable deployments with density heatmaps, occupancy thresholds, and operational dashboards to optimize staffing, routing, and safety responses in high-traffic zones.

FedMed - Federated Learning for Healthcare Time Series

- Built an end-to-end distributed machine learning platform with centralized, distributed, and federated training workflows in Python and React.
- Developed real-time monitoring features (WebSocket-based) to visualize training progress, model metrics, client status, and system topology through interactive dashboards.
- Implemented performance and evaluation analytics, including confusion matrix, throughput/latency trends, and model comparison views to support faster experimentation and decision-making.

Anti-Proxy Attendance System *SIH 2024 Winner*

- Built an open-source, Raspberry Pi–based biometric attendance system with R307 fingerprint verification to eliminate proxy attendance and ensure auditable, CSV/Excel-ready records.
- Designed faculty-controlled sessions with authenticated start/stop flows and PIN-secured closure, optimizing classroom operations for reliability and speed.
- Standardized UART-based Python integration using Adafruit libraries for reproducibility on commodity hardware, enabling easy forks and campus-scale deployments

Ride-Sharing Intelligence System

- Built a real-time ride-sharing analytics dashboard with Streamlit, MongoDB, and Plotly to monitor rides, drivers, revenue, surge zones, and live geo-mapped trips.
- Implemented simulation, demand–supply insights, and driver performance views with one-click database seeding for instant, demo-ready exploration.

HOBBIES

- Basketball - National
- Chess - District
- Event Management
- Offroading Trails
- Mountain Biking
- Rifle Shooting - State