

SHUBHAM SINHA

AI/ML Engineer | LLM Systems & Conversational AI

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SUMMARY

AI/ML Engineer with 2+ years of experience building production-ready AI systems and full-stack applications. I have worked on deploying LLM-powered conversational AI, large-scale WhatsApp automation platforms, and AI-driven media pipelines used in real business workflows. Strong at taking ideas from prototype to production, integrating AI models with APIs, frontend interfaces, and automation systems.

WORK EXPERIENCE

AI/ML Solution Architect, Dave AI

July 2024 - Nov 2025

- Designed and deployed enterprise-scale WhatsApp conversational AI systems handling pre- and post-sales workflows for automotive clients.
- Integrated Airtel WhatsApp APIs to support message routing, campaign triggers, and automated customer journeys.
- Built AI-driven video generation pipelines including talking-head synthesis, lip-sync, masking, and avatar generation for internal and client-facing tools.
- Developed backend APIs for real-time video synchronization and integration with internal dashboards and automation systems.
- Improved lip-sync quality through model benchmarking (D-ID vs Retalk), fine-tuning, and MOS-based evaluation.
- Collaborated with AI and product teams to align LLM capabilities with business requirements and production constraints.

Mobile Application Developer, Codeate

Nov 2023 - Apr 2024

- Developed mobile application UIs using React Native and Tailwind CSS, ensuring smooth user experience and consistent design across screens.
- Implemented frontend components, state management, and API integrations for production features.
- Participated in the full application lifecycle including UI design, development, testing, and deployment.

Software Engineer, Zauvijek

Feb 2023 - Apr 2023

- Designed and optimized responsive web interfaces using React.js and Next.js, improving usability and page load performance.
- Built reusable frontend components following best practices for maintainability, accessibility, and cross-browser compatibility.

PROJECTS

Spur Support

[Link](#)

- Built an AI-powered customer support platform enabling conversational chat for e-commerce use cases.
- Implemented LLM-driven conversations, session persistence, typing indicators, suggested prompts, and a responsive UI.

CodeSpecto

[Link](#)

- Developed an AI-driven code assistant to analyze, debug, optimize, review, and identify security issues in codebases.
- Delivered actionable insights and recommendations through an interactive and stateful interface.

Reddit Mastermind

[Link](#)

- Built an automated Reddit content planning and engagement system using Python and Streamlit.
- Enabled persona-driven content generation and simulated human-like interactions to improve engagement and inbound leads.

TECHNICAL SKILLS

Programming: Python, JavaScript (Node.js), TypeScript, Bash

Frontend & Mobile: React, Next.js, React Native, Tailwind CSS, MUI, Shadcn

Backend & APIs: Node.js, Express.js, REST API development, Webhooks integration

Databases & Storage: PostgreSQL, Redis

AI / ML Tools & Frameworks: LangChain, HuggingFace Transformers, N8N

DevOps / Tools: Git, Docker, CI/CD pipelines, Linux

EDUCATION

Bachelor of Technology (B.Tech), Computer Science 2019 - 2023

Amity University, India