

DEEPANSHU MANI

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SKILLS

Backend: Python, FastAPI, Flask, Node.js, Express.js

Frontend: React.js, Next.js, React Native, TypeScript

AI/ML: Azure OpenAI, LangChain, RAG, OpenAI APIs

Database: PostgreSQL, MongoDB, MySQL, ChromaDB, Redis

DevOps: Git, Docker, AWS (EC2, S3, RDS), GitHub Actions

EXPERIENCE

Full Stack Engineer — Alerix

Dec 2025 – Present

- Built AI-powered applications leveraging LLM APIs and automation workflows, reducing manual processing effort by **30%** and improving operational efficiency.
- Developed an AI-powered print QA pipeline with IDML region extraction, OCR/barcode validation, and CSV-based checks, reducing pipeline processing time by **30%** and improving validation accuracy.
- Designed and deployed scalable backend systems for AI agents, handling high-throughput workloads with improved reliability and fault tolerance.
- Optimized API workflows and asynchronous processing, reducing response latency by **25%** and increasing system throughput by **1.8x**.

Full Stack Developer Intern — Sai Computer Limited

Sep 2025 – Nov 2025

- Built and maintained backend APIs and real-time data pipelines for high-frequency data processing, ensuring consistent data flow and system stability.
- Developed interactive dashboards for monitoring system metrics and workflows, improving visibility and operational efficiency.
- Optimized database queries and backend services, reducing data retrieval time by **30%**.
- Enhanced frontend performance and usability, improving user experience and reducing load times across key application modules.

EDUCATION

B.Tech in CSE (IT), Meerut Institute of Engineering and Technology

Jul 2025

PROJECTS

ZedTrack — CRM & Task Automation Platform (ZedexMobility) [Live Demo](#)

- Built a production-grade CRM enabling workflow automation, real-time task tracking, and integrated communication (WhatsApp/SMS), improving operational efficiency.
- Designed event-driven workflows, APIs, and webhook integrations for automated task execution across business processes.
- Developed a scalable backend architecture supporting real-time updates and multi-user workflows.

Ask Rezzzy — AI Assistant [GitHub](#) | [Live Demo](#)

- Built a RAG-based AI assistant enabling real-time contextual responses using LLM APIs.
- Implemented semantic retrieval, prompt pipelines, and streaming responses.
- Designed backend systems handling dynamic queries and contextual data processing.

ACHIEVEMENTS

- **Winner** — Trikon 1.0 Hackathon (2024)
- **Runner-Up** — AWS Generative AI Ideathon (2024)
- Mentored developers in web development and project building.