

KARTIK MEHRA

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PROFESSIONAL EXPERIENCE:

Freelance Web Developer | 2022– 2025

6 Internship with TheGetNow Solution

- Web Developer with 3+ years of experience building scalable, user-friendly websites using NextJS, React Native, Typescript, Python, AgenticAI, PostgreSQL etc

PROJECTS:

1. AI Customer Support Agent

- Built an AI-powered customer support agent that handles voice-based customer queries and understands company policies to provide relevant, policy-compliant responses.

2.GoalBook — AI Reading & Knowledge Platform

- Built an AI-powered reading and knowledge platform with RAG-based document Q&A, automated quiz generation, technical diagram extraction, and semantic search using Gemini, FastAPI, PyMuPDF.
- Designed a microservices architecture with Next.js, React Native, Node.js, PostgreSQL replication, etcd, Prometheus/Grafana, and offline-first storage for scalable web and mobile experiences

3. AI Real-Time Translator

- Built a real-time AI voice translator that converts spoken Hindi into a user-selected language and generates natural speech in the target language.
- Implemented bidirectional speech translation, converting incoming foreign-language speech back into Hindi to enable real-time multilingual conversations.

4.Web Applications — Developed full-stack Trekking, Marriage Hall, and Admin Dashboard applications with responsive UIs, API integration, authentication, and database-driven workflows.

Key Skills:

- Python, C/C++, Typescript
 - Django, NextJS, React-Native, ElectronJS
 - PostgreSQL, MongoDB, VectorDB
 - System Design, Optimizations, Problem Solving
 - Agno, Langchain, Langgraph, LLM's, Prompts
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EDUCATION:

- HPBOSS State Borad | 2017
- 1 years Institute for On Web Developer 2021
- Bachelor's Degree in Computer Applications : Batch 2024

CERTIFICATIONS:

- Certificate from Udmey Full Stack Developer
 - Certificate from Umay Python Course
 - Certificate from Udmey Data Structure And Algorithm
 - Certificate from CampusX AI Agents Using Agno (Python)
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