

ITESH SINGH TOMAR

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SUMMARY

Software Developer with experience in full-stack development and AI applications. Skilled in building scalable web platforms, fine-tuning large language models, and integrating third-party APIs. Strong foundation in Python, JavaScript, C++, and modern frameworks, with hands-on deployment of end-to-end projects.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Typescript, SQL, Shell Scripting.

Frameworks: Next.js, React.js, Node.js, Express.js, Flutter, Flask.

Tools & Platforms: Git, Docker, Jenkins, AWS, REST APIs, Flask, FastAPI, Railway, Vercel.

AI & ML: HuggingFace Transformers, PyTorch, TensorFlow, NLP, Unsloth, Fine-tuning LLM.

WORK EXPERIENCE

Sutr Clothing | Remote

Apr 2025 – Nov 2025

Full Stack Developer

- Building a full-stack e-commerce website using **Next.js**, **MongoDB**, **Firebase**, **Razorpay API**, and **Ekart API**.
- Implemented secure payment integration with **Razorpay** and logistics tracking using **Ekart API**.
- Designed and deployed an **Admin Dashboard** for efficient product, order, and user management.
- Developed a responsive, scalable, and modern UI using **Next.js** and **Tailwind CSS**.

PROJECT WORK

Dia Therapist - Qwen 2.5 7B, Flask, Whisper, Kokoro, Python, Next.js, Tailwind.

[link](#)

- **Developed** a custom-built AI therapist powered by a fine-tuned **Qwen 2.5 7B Instruct** model trained on a therapy-focused dataset for empathetic and context-aware conversations.
- **Integrated** real-time voice interactions using **Whisper** for speech-to-text and **Kokoro** for expressive text-to-speech, enabling fully **voice-based therapeutic sessions**.
- **Built** a Flask backend with real-time chat and **Next.js** frontend for seamless and modern mental health assistance.
- **Engineered** an end-to-end empathetic conversational loop combining **LLM inference**, **voice synthesis**, and **session memory**.

Dia Moderator - Node.js, React, Express, Google Gemini API, Discord.js, Telegram Bot API, WhatsApp Web.

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- **Built** a comprehensive **multi-platform content moderation system** for Discord, WhatsApp, and Telegram with centralized control.
- **Implemented** automatic profanity filtering, spam detection, and **progressive warning systems** for community moderation.
- **Integrated Google Gemini API** for AI-powered message summarization and context-aware responses.
- **Designed** a real-time web dashboard for monitoring bot activity and user warnings, including **QR-based WhatsApp authentication**.

FitCheckr - Next.js, React.js, TypeScript, Tailwind CSS, Gemini API.

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- **Developed** an AI-powered virtual try-on app using **Gemini-2.5-Flash-Image** model for realistic clothing visualization.
- **Implemented** real-time image processing with drag-and-drop uploads and responsive **glassmorphism UI**.
- **Enabled** users to preview, download, and share try-on results directly via built-in **social sharing tools**.
- **Developed** a companion **Chrome Extension** that enables users to preview clothing items directly from e-commerce sites like **Myntra**, for instant virtual try-ons.

EDUCATION

Lovely Professional University
B.Tech in Computer Science and Engineering

August 2023 - July 2027
CGPA: 8.48

Kiddys Corner Hr Sec School
Higher Secondary Education

July 2020 - June 2022
CGPA: 7.74