

# NISHIT SINGH CHOUHAN



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## CORE SKILLS

React, Next.js, TypeScript, JavaScript, Tailwind, Redux • Node.js/Express, GraphQL, Django REST, ASP.NET Core, Python • PostgreSQL, MongoDB, MySQL, Quickbase • Docker, Ubuntu, Cloudflare, Nginx, GitHub Actions • ERPNext (Frappe), Retool, n8n, ffmpeg/ffsubsync, Pi-hole • TensorFlow, Keras, Pandas, LLM integration

## EXPERIENCE

### Freelance Full-Stack Developer — Independent Consultant *May 2025 – Jul 2025*

- Customized and deployed ERPNext for order management, invoicing, payment reminders, and basic accounting dashboards.
- Self-hosted on Ubuntu 22.04 using Docker Compose and secured ingress with Cloudflare Tunnels and Zero-Trust (no open ports).

*Tech:* ERPNext, Python, Docker, Ubuntu, Postgres, Cloudflare

### Associate Tech Lead (Contract) — Future Money (US Fintech) *Mar 2025 – Apr 2025*

- Built GraphQL and TypeScript services for core financial workflows and maintained Retool admin tools; role ended due to budget cuts.

*Tech:* TypeScript, GraphQL, Node.js, Retool, PostgreSQL

### Software Engineer — Dell Technologies R&D *Aug 2021 – Mar 2025*

- **Design Map DB** (Quickbase and Python): migrated unstructured Excel to a secure RBAC/DLP Quickbase database, reducing errors by 60% and processing time by 80% using Python automations.
- **Stackup Search Console** (React, Django REST, Falcon-7B): delivered LLM-assisted parsing and search from Excel files, improving design turnaround by about 40 percent with high accuracy.
- **Stripline Solver** (Python and TensorFlow): created a deep-learning EM field solver that is 10× faster and reduces simulation time by roughly 60 percent; ISG Hackathon 2021 (Regional) Winner.

*Tech:* React, AngularJS, ASP.NET Core, Python, Django REST, Quickbase, TensorFlow, GitLab, Jenkins

## PERSONAL PROJECTS

### Ubuntu-Server Homelab and Dev-Ops (2023–2025)

- Containerized more than 20 services with Docker Compose; routed all ingress through Cloudflare Tunnels; tuned TLS and HTTP/2 with no open ports; improved remote HTTPS time-to-first-byte by around 35 percent.
- Built a media automation pipeline with Jellyfin, Sonarr, Radarr, qBittorrent, Bazarr, and a custom ffsubsync workflow, resulting in zero manual subtitle fixes and stable 4K playback.

*Stack:* Docker, Cloudflare, Jellyfin, Bazarr, ffmpeg/ffsubsync, Nextcloud, Immich, Pi-hole, Postgres, Nginx

## EDUCATION

**B.E. (Hons.), Computer Science — BITS Pilani, Hyderabad Campus — 2022**

## AWARDS

ISG Hackathon (Regional) Winner — 2021 — Dell Technologies