Om Thakur

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PROFESSIONAL SUMMARY

Backend Developer with hands-on experience in Node.js, TypeScript, Supabase, and PostgreSQL. Skilled in building secure, real-time systems and optimizing back-end performance. Passionate about AI, developer productivity, and designing scalable infrastructure for modern web applications.

PROFESSIONAL EXPERIENCE

Sumeru Technology Solutions Pvt. Ltd.   Aug 2024 – Feb 2025

SDE Intern   *Bengaluru, India*

- Conducted in-depth research on Drizzle ORM and Supabase Row-Level Security (RLS) to design a secure and scalable database access model using anonymous keys, balancing access control with developer velocity.
- Implemented message queue systems, replacing a legacy cron-based scheduler to reduce data synchronization time from 15 minutes to under 4 seconds, enabling real-time data flow across services.
- Investigated architectural patterns for scalable notification systems and designed a queue-based, observable solution that supports rapid deployment without compromising long-term reliability.
- Performed in-depth Root Cause Analysis (RCA) on Supabase database crashes, identifying connection pool bottlenecks and optimizing error handling strategies, which increased system uptime to 85%.

PROJECTS

GitHub–Supabase Sync Tool   2025

Node.js, Supabase, GitHub API, gray-matter   github.com/MonsterFlick/github-supabase-sync

- Automated syncing of GitHub markdown blogs to Supabase with robust upsert/delete logic.
- Parsed metadata using `gray-matter` and handled stale record clean-up for blogs.

NeuraTalk – AI Chatbot   2023

Streamlit, LLaMA2, Replicate API   monsterchat.streamlit.app

- Built chatbot interface supporting LLaMA2 models (7B/13B/70B) with real-time streaming via Streamlit.
- Reduced latency by 40% using debounced input throttling for GPU-efficient API interaction.

Terminal Portfolio Website   2025

Next.js, Tailwind, Gemini API   om-thakur.vercel.app

- Built terminal-style interactive portfolio using Gemini API and responsive Tailwind CSS components.
- Enabled AI-driven terminal replies for real-time viewer engagement.

IPL Auction Strategy   2023

PostgreSQL, SQL   github.com/MonsterFlick/IPL-AUCTION

- Analyzed 15+ years of IPL data using 20+ advanced SQL queries to uncover draft strategy insights.

Salary Prediction ML Project   2023

Python, Scikit-learn   github.com/MonsterFlick/Salary-Prediction

- Built regression model to predict developer salaries with 85%+ accuracy; evaluated 4+ ML algorithms using cross-validation.

SKILLS

Languages: TypeScript, JavaScript, Python

Backend: Node.js, Deno, Supabase, PostgreSQL, Drizzle ORM

AI/ML: LLaMA2, Gemini API, Prompt Engineering, Streamlit

Web: React, Next.js, Tailwind CSS

Dev Tools: Git, GitHub, Docker, Vercel, Supabase Studio

EDUCATION

Sonubhau Baswant College, Mumbai University   Apr 2024

Bachelor of Science in Information Technology   *CGPI: 8.55 / 10*

CERTIFICATIONS

- Data Science Training – Internshala, 2023