

Ravi Kumar Thakur

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PROFILE SUMMARY

Adaptable and motivated professional passionate about continuous learning and mastering emerging technologies. Skilled in self-directed learning and experienced across diverse technical domains, committed to driving innovation and contributing meaningfully to team success.

FREELANCE EXPERIENCE

Oma 📱 (React Native (Expo), Supabase)

- Addressed the challenge of managing store operations by building a mobile app for efficient order, inventory, and store management.
- Managed the full project lifecycle including UI/UX design, database architecture, coding, and final APK delivery.

PROJECTS

Tern 📱 (Rust)

- Developed a lightweight command-line tool for managing DB schema migrations.
- Enabled writing migrations in raw .sql files with support for upgrade, rollback, and reset operations.

learn.dev 🌐 📱 (FastAPI, Next.js, Supabase, JWT, OAuth 2.0)

- Created a platform to address the lack of accessible, practical coding challenges by providing curated development exercises.
- Streamlined user onboarding by implementing Google OAuth 2.0 and secure JWT-based authentication for a frictionless experience.

Notes 🌐 📱 (Next.js, Prisma ORM, Neon, Clerk, Gemini)

- Solved the issue of inefficient video-based learning by building a web app that generates detailed and structured notes from YouTube videos.
- Developed an interactive Q&A chatbot using RAG to improve video content comprehension through follow-up questions.
- Integrated Clerk for secure and seamless user authentication.

Scroll Pedia 📱 (React Native (Expo))

- Created an application which provides excerpts of random Wikipedia articles on every scroll.
- User can bookmark the articles for future references.

ACHIEVEMENTS & CERTIFICATIONS

- GATE 2024**, IISc Bengaluru
- CS50's Introduction to Databases**, Harvard University
- Master Linear Data Structures**, Codedamn
- Introduction to DS&A**, Codedamn
- Data Analysis and Visualization**, Shivaji College
- CS50's Introduction to Artificial Intelligence with Python**, Harvard University

EDUCATION

MCA

IGNOU, Delhi, India
2024 - 2026

B.Sc. (Hons.) Mathematics

Minor: *Computer Science*
Shivaji College, University of Delhi, Delhi, India
CGPA: 7.47
2021 - 2024

10+2 (PCMB)

School of Excellence, Rohini Sector-17, Delhi, India
Marks: 90%
2020

SKILLS

Technical Skills:

- Languages:** Python, TypeScript, Rust, SQL
- Libraries:** NumPy, Pandas, Matplotlib
- Web Technologies:** HTML, CSS, JS
- Frameworks:** Django, FastAPI, ReactJS, Next.js
- Databases:** SQLite, PostgreSQL
- Tools:** Git, GitHub

CONCEPTS

- Data Structures and Algorithms (DS&A)
- Database Management Systems (DBMS)
- Object-Oriented Programming (OOP)
- Computer Networks

LANGUAGES

- English
- Hindi