

# ANISHK KHANDELWAL

Software Developer | Full-Stack (MERN) | Electron.js | Node.js

+91-9782561847 | anishkkhandelwal04@gmail.com | linkedin/anishk-khandelwal | github/AnishkKhandelwal15 | Chandigarh, India

## PROFESSIONAL SUMMARY

Full-Stack Developer with production experience in MERN stack, Electron.js, and Node.js. Promoted to SDE-1 within 6 months for delivering 40% storage optimization and 99.9% uptime on enterprise ERP systems. Skilled in offline-first architecture and end-to-end ownership across frontend and backend.

## TECHNICAL SKILLS

**Core Technologies:** JavaScript (ES6+), TypeScript, React.js, Node.js, Express.js, Electron.js, Redux Toolkit, Vite

**Databases:** PostgreSQL, MongoDB, MongoDB Atlas, PouchDB

**Auth & Security:** JWT, Google OAuth, AES-256 Encryption

**Other Tools:** Socket.io, IPC, Framer Motion, Postman, Figma, Git/GitHub

## PROFESSIONAL EXPERIENCE

### Software Development Engineer I

Oct 2025 – Present

PSquare Company, Mohali, India | Promoted from Intern to Full-Time SDE-1

- Architected and optimized local database logic using PouchDB for high-volume data synchronization across 20+ instances
- Implemented secure IPC channels between Electron main and renderer processes for efficient API and data handling
- Designed advanced modules for project monitoring and material tracking within the ERP ecosystem
- Improved performance for large-scale offline operations ensuring seamless online/offline mode transitions

**Tech Stack:** Electron.js, React.js, Redux Toolkit, Node.js, Express.js, PouchDB, Worker Threads, CryptoJS

### MERN Stack Developer (Internship)

May 2025 – Oct 2025

PSquare Company, Mohali, India

- Built core offline-first architecture using PouchDB ensuring smooth local data management for 10,000+ records
- Reduced storage footprint by 40% via AES-256 encryption with zlib compression; cut sync time from 30s to 5s
- Engineered role-aware database partitioning across 10+ user roles with zero cross-role data leakage
- Prevented data loss via automatic conflict detection with document merging, handling 500+ concurrent writes daily

**Tech Stack:** Electron.js, React.js, Redux, Node.js, Express.js, PouchDB, Axios

## EDUCATION

### Bachelor of Engineering – Computer Science

2021 – 2025

Chandigarh University, Chandigarh

**Relevant Coursework:** Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks, OOP, Software Engineering

## KEY PROJECTS

### Construction ERP – Offline-First Desktop Application

- Led frontend and local database teams to deliver a fully offline-capable ERP for a construction company using Electron.js
- Architected PouchDB-based local-first data layer with bidirectional sync engine ensuring zero data loss on reconnection
- Delivered inventory, workforce, and project tracking modules actively used by 50+ employees across field sites

**Tech Stack:** Electron.js, React.js, Redux Toolkit, PouchDB, Node.js, Express.js, CryptoJS

### GEXUS Gaming Platform

Personal Project | gexus.tech

- Built platform serving 200+ concurrent users at 150ms API latency using NestJS, React 19, and Go microservices
- Handled 100MB+ secure file uploads with AES-256 encryption, processing 500+ daily uploads at 99.5% success rate
- Designed hybrid DB architecture (PostgreSQL + MongoDB) syncing 50,000+ records via Supabase with Prisma ORM

**Tech Stack:** NestJS, React 19, Go, PostgreSQL, MongoDB, Prisma ORM, Supabase, AES-256