

Swastik Verma

Khanna, Punjab

onamverma8@gmail.com | +91 8725873505 | [Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [LeetCode](#)

EDUCATION

Chitkara University, Punjab B.E. Computer Science · CGPA 8.5/10	2022 – 2026
Delhi Public School, Khanna CBSE Class XII · 90%	2021 – 2022

EXPERIENCE

Accenture — Packaged App Development Associate	Incoming · Jul 2026
<ul style="list-style-type: none">Joining full-time as a Salesforce developer; completed structured pre-joiner training in Apex, SOQL, and Lightning Web Components with multitenant, governor-limit-aware design.Built a PVR-style movie-ticket booking capstone — six related objects and a single-page LWC covering the full theater → show → booking → payment flow.	

PROJECTS

Codeforces Analytics Dashboard Next.js, Express.js, PostgreSQL, Prisma, Docker, AWS EC2	GitHub Live
<ul style="list-style-type: none">Architected a decoupled sync worker (separate container) behind a PostgreSQL job queue so rate-limited Codeforces API calls never block reads; dashboards serve pre-computed rows in single-digit milliseconds.Engineered a serialized rate limiter (2.5 req/s, 400 ms floor) with quadratic backoff and browser-like headers to beat Cloudflare / TLS fingerprinting and avoid IP bans.Deployed a multi-container stack on AWS EC2 with JWT auth and a SKIP LOCKED job queue; sustains 1,000–3,000 concurrent viewers and keeps up to 10K users' stats fresh per instance.	
Green Credit Marketplace — HackIndia 2024 MERN, Solidity, Web3.js, MetaMask, Infura	GitHub Live
<ul style="list-style-type: none">Built a blockchain carbon-offset marketplace where NGOs tokenize verified tree-planting projects into tradable “green credits” that industries buy to offset emissions, routing proceeds on-chain to fund further afforestation.Deployed a per-project ERC-20 contract (Web3.js + Infura) with on-chain buy / burn-on-retirement and an NGO payout address; via a MetaMask dApp, NGOs register projects (geolocation, trees planted, CO₂ & water saved) and industries purchase and retire credits.	
Employee Management System — NesusHR Next.js, Express.js, Prisma, PostgreSQL	GitHub
<ul style="list-style-type: none">Built a full-stack HR platform (separate Next.js admin and employee portals over an Express / Prisma / PostgreSQL API) modeling 9 entities — users, roles, departments, positions, and an employee hierarchy with direct and skip-level managers.Implemented JWT auth with role-based authorization (Super Admin / Sub Admin / Employee) and a weekly/daily timesheet and leave system with manager approval workflows, unique-constraint integrity, and soft-delete toggles.	

ACHIEVEMENTS

- HackIndia 2024 — National Champion:** placed 1st out of 2,839 teams nationally, leading a 4-member team.
- Bitcoin 2025 Hackathon — exSat Track (Bitcoin+):** *Immutable Data Integrity for Space Exploration* selected for the conference showcase, earning an invitation to Bitcoin 2025 in Las Vegas (AES-256 client-side encryption over IPFS).
- Hackfest 2024 (SAP × PSG iTech):** selected as 1 of 3 teams from Punjab to advance to the national round in Coimbatore.

RESEARCH

Structural Shift in Peak Power Demand — Delhi Grid (2020–2025)	<i>Under review · ICIDEA</i>
<ul style="list-style-type: none">Modeled peak-demand growth via a Heat×Humidity <i>interaction</i> term (not weather as a linear covariate), capturing a “Cooling Trap” effect that standard load models overlook.Trained a RidgeCV regression on 12 years of Delhi grid data, predicting peak load at R² 0.96 (train) / 0.93 (2024 hold-out) with RMSE 372 MW; quantified nocturnal load divergence to motivate battery-storage deployment.	

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL, Apex
Frameworks & Libraries: Next.js, React, Node.js, Express.js, Prisma ORM
Cloud & DevOps: Amazon Web Services (EC2), Docker, Git, Linux, Postman
Databases: PostgreSQL, MongoDB, MySQL
DSA & Core CS: Data Structures, Algorithms, OOP, DBMS, REST APIs · 220+ [LeetCode \(Java\)](#), 100 Days 2025 badge