

Shivin Khandelwal

B.Tech Computer Science & Engineering - 2027
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Education

B.Tech in Computer Science & Engineering BML Munjal University, Gurugram	Aug 2023 – Present CGPA: 8.07 / 10.0
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Skills

Languages: JavaScript, Python, Java, SQL

Frameworks & Libraries: React, FastAPI, Flask, Streamlit, CrewAI

Full Stack & APIs: REST API Design, Axios/HTTP Integration, JWT Auth & RBAC, Async/Await, Middleware, Schema Validation

Databases: PostgreSQL, SQLite

DevOps & Deployment: Docker, Nginx (reverse proxy), Git, Linux, CI/CD (GitHub Actions), Prometheus, Grafana, Cloud Deployment (Render/Vercel)

Professional Experience

ViniBrawns Healthcare Solutions (<i>SDE Intern & Project Lead</i>)	Sep 2025 – Present
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- Leading development of AbleCircle, an assistive healthcare platform for caregivers, therapists, and children with special needs; filed a patent and leading deployment with Samadhan NGO across multiple care centers.
- Built real-time communication, RBAC, and therapist/caregiver discovery features using Flutter and Firebase; digitized caregiver onboarding and enrollment workflows.

Pawan Jhadu Industries (<i>Freelance Full Stack Developer</i>)	Sep 2026 – Present
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- Building a production ecommerce platform from scratch to bring a Rajasthan-based manufacturing brand's business online; live sample site delivered and under client review ([live demo](#)).
- Currently developing an admin dashboard for real-time catalog and price management, working end-to-end with the client on requirements and iteration.

Verto Bizserv (<i>AI/ML Intern</i>)	Jun 2025 – Jul 2025
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- Developed an AI-powered CV-JD matching platform using FastAPI and Groq LLMs; built retrieval pipelines for resume analysis, candidate ranking, and interview question generation, powering recruiter dashboards.

Projects

TransitOps: Fleet Operations Platform (<i>Odoo Hackathon</i>) [GitHub]	2026
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Tech: React, FastAPI, PostgreSQL, SQLAlchemy, Docker, JWT

- Built a full-stack fleet management platform with a React SPA calling a FastAPI REST backend; enforced business rules (dispatch validation, cargo capacity, license/availability checks) at the API layer with structured, machine-readable error codes.
- Designed the PostgreSQL/SQLite data layer with SQLAlchemy ORM across vehicles, drivers, trips, maintenance, and finance entities, plus JWT-based auth with role-aware access for fleet managers, drivers, and analysts.

StackPilot: Self-Hosted Platform-as-a-Service [Live Demo] [GitHub]	Feb 2026 – June 2026
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Tech: FastAPI, PostgreSQL, React, Docker, Nginx

- Developed a self-hosted PaaS using FastAPI, PostgreSQL, and React, engineering a background execution worker via the Docker SDK to automate Git cloning, Dockerfile parsing, and full container lifecycle management.
- Architected a dynamic reverse-proxy gateway using FastAPI and `httpx` to route traffic from Nginx to containers; configured a Prometheus/Grafana monitoring stack with custom middleware for P95 latency tracking and crash-loop alerting.

LogicLens: Code Graph & Impact Analyzer [Live Demo] [GitHub]	Apr 2026 – Present
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Tech: Python, Flask, SQLite, ChromaDB, Tree-sitter, CrewAI, Groq/Llama-3

- Developed a multi-language static analysis engine using Tree-sitter to map code dependencies into a local SQLite graph database; built an incremental indexer that reduced re-analysis time by over 90%.
- Engineered an AI impact analysis pipeline using CrewAI and Groq (Llama-3) to calculate regression blast radiuses for proposed refactors, with ChromaDB-powered semantic code search.

Achievements & Responsibilities

- Patent filed for AbleCircle assistive healthcare platform.
- Seed Grant Recipient for ABILIFY pilot deployment.
- Smart India Hackathon (SIH) 2025 – Second Runner-Up (Internal Round); built TransitOps at the Odoo Hackathon.