

# PUSHPIT JAIN

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## SUMMARY

**Final-Year Software Engineering Student** (DTU) and SDE Intern with a proven track record of shipping production-grade full-stack systems. Backed by consecutive internships and 6+ complex technical projects, specializing in architecting **high-performance backend infrastructure**, multi-tenant enterprise applications, and scalable cloud deployments.

## EDUCATION

**Bachelor of Technology (B.Tech), Software Engineering** Aug 2023 – May 2027  
Delhi Technological University (formerly DCE) CGPA: **8.92**

**Class XII (CBSE)** Mar 2022 – Mar 2023  
Guru Harkrishan Public School, Delhi Score: **92.16%** | JEE Mains: **98.43%**ile

## SKILLS

- **Languages:** C++, TypeScript, JavaScript, [Python](#), SQL, HTML/CSS
- **Frameworks & Libraries:** Next.js, NestJS, React.js, Node.js, Express.js
- **Cloud & DevOps:** AWS (EC2, ECS, S3, IAM, SQS), Docker, TurboRepo, Git/GitHub, CI/CD
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Core Fundamentals:** Data Structures & Algorithms (DSA), System Design, OOP, DBMS, OS, CN, Software Engineering

## EXPERIENCE

**Software Development Engineer (Intern)** Nov 2025 – Present  
Heizen (**Shark Tank India** and **Titan Capital** Backed) *Hyderabad, IN (Remote)*

- Engineered a high-performance student management backend using NestJS, **PostgreSQL** maintaining **sub-5-second query latency** for highly dynamic datasets scaling to **100,000+ records** for the EdTech enterprise application with 4 RBAC tiers.
- Worked on developing the backend for a US-based InsurTech platform from scratch, handling heavy traffic and client onboarding.
- Refactored an acquired legacy codebase during a critical sprint, eliminating **12,000 lines of technical debt**, establishing secure routing, and introducing robust audit logging.
- Integrated third-party IoT APIs to track live data from 50+ hardware sensors, deploying cron jobs to ensure new devices sync.

**Software Development Intern** Dec 2024 – Mar 2025  
Venttup [[Internship Cert](#)] [[Project Cert](#)] *Bengaluru, IN (Remote)*

- Engineered a full-stack vendor management portal utilizing **React.js**, **Node.js**, and **AWS S3**, automating document collection workflows to reduce client onboarding time by **40%**.
- Implemented secure **JWT authentication** and RBAC to ensure strict data segregation across dedicated user dashboards.

## PROJECTS

**DeployerDock V2: On-Demand Static Build & Deploy Pipeline** | [Link](#) | [GitHub](#) Dec 2024 – July 2025  
*Tech: Next.js, Node.js, Docker, AWS ECS, S3, Redis, WebSocket*

- Engineered an on-demand deployment pipeline that clones repositories from Git, executes custom build commands within isolated **Docker** containers, and uploads static assets to **AWS S3**.
- Provisioned secure environments on **AWS ECS** for consistent build cycles; serving final static assets via a **reverse proxy**.
- Integrated **Redis** to stream real-time build logs via **WebSockets** ensuring complete observability and debugging capabilities.

**Stridr: Location-Based Routing Engine** | [Link](#) | [Demo](#) | [Github](#) May 2025 – August 2025  
*Tech: Express.js, Node.js, AWS ECS, OpenStreetMap, GraphHopper, LocationIQ*

- Developed a **personalized routing platform** that generates custom jogging paths based on user preferences (e.g., water stations, medical facilities, scenic views etc).
- Deployed a **GraphHopper** instance on ECS for routing, integrating **LocationIQ** for geocoding and OSM for geodata.

## ACHIEVEMENTS AND LEADERSHIP EXPERIENCE

- **Competitive Programming:** [LeetCode Knight](#) (Max Rating: 1885) | [Codeforces Specialist](#) (Max Rating: 1427).
- **Amazon ML Summer School 2025:** Selected among the **top 3,000 candidates** nationwide.
- **Meta Hacker Cup 2025:** Secured **Global Rank 186** out of 13,779 participants worldwide.
- **Flipkart Grid 7.0:** [National Semi-Finalist](#) out of **160,000 total registrations**.
- **Head, Literature & Film Council DTU:** Secured partnerships and managed events for fest with **50,000+ footfall**.