

Dhruvin Vaghasiya

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SUMMARY

Backend developer and third-year Computer Engineering student (CGPA 8.48) at CHARUSAT with production experience building REST APIs, distributed systems, and database-driven platforms. Shipped pipeline integrations for a live beta product at Evodart, architected a 22-PC competitive programming judge sustaining 3,000+ req/sec, and delivered a jewellery e-commerce store processing real orders on DigitalOcean.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, TypeScript, SQL (PostgreSQL, Oracle), HTML/CSS

Frameworks & Libraries: Node.js, Express.js, Django, Django REST Framework, Next.js, React.js, Prisma, Drizzle ORM

Databases & Caching: PostgreSQL, MongoDB, Redis

DevOps & Cloud: Docker, Git, GitHub, Vercel, Render, Railway, DigitalOcean

Concepts: REST APIs, System Design, Distributed Systems, JWT & OTP Authentication, WebSockets, Load Testing, OOP, DBMS

EXPERIENCE

AI Engineer Intern

May 2026 – Jun 2026

Evodart – BeAwareOfBanks

Gujarat, India

- Engineered pipeline integrations and model-security safeguards for a live borrower-protection platform (beawareofbanks.com) processing 40–80 page loan documents, tuning Retrieval-Augmented Generation (RAG) context across a production Python and Node.js codebase
- Resolved production defects and coordinated sprint delivery through ClickUp for a platform in live beta serving real users

Backend Developer (Grand Finalist)

Jun 2026

NeuroX Hackathon, Master's Union CDS Campus

Gurugram, India

- Architected REST APIs, JWT authentication, and a PostgreSQL schema with Drizzle ORM for CodeArmor, an AI security scanner running 11 parallel agents across 40+ vulnerability categories, delivering a functional MVP in 10 days
- Implemented scan orchestration and a risk-scoring pipeline that feeds filtered security findings to both a VS Code extension and a role-managed web admin dashboard

PROJECTS

Supernova CP Engine | Node.js, React, PostgreSQL, Redis, Docker, GCC, k6

Mar 2026

- Built a distributed competitive programming judge across 22 lab PCs, splitting workload into a main server, Redis node, PostgreSQL node, and compile workers, sustaining approximately 3,000–4,000 requests per second under k6 load testing
- Designed submission execution enforcing time and memory constraints with millisecond-scale verdicts for 100+ concurrent participants across 3 competition rounds

Smart Restaurant POS | *React, TypeScript, Node.js, Express.js, PostgreSQL, Redis, Socket.io, Docker* Jan 2026

- Created a multi-branch point-of-sale system supporting 5 user roles, QR-based table ordering, and a real-time Kitchen Display System over WebSockets, with session management and cash-float reconciliation
- Integrated Razorpay, Stripe, cash, and UPI payments with split billing, plus an offline mode storing transactions locally and syncing automatically on reconnect

C Titan Bingo Platform | *Node.js, React, PostgreSQL* Oct 2025

- Assembled a live Bingo platform with player sessions, round progression, and scoreboards serving 100+ concurrent participants across 3 rounds at the C Titan university event

Dayflow HRMS | *React, TypeScript, Node.js, Express.js, PostgreSQL, Neon, JWT* Oct 2025

- Delivered a role-based HR management system with admin and employee dashboards, email OTP plus JWT authentication, attendance tracking, leave workflows, and payroll visibility

EDUCATION

B.Tech in Computer Engineering 2024 – Present
Chandubhai S. Patel Institute of Technology (CSPIT), CHARUSAT University Gujarat, India

- CGPA: **8.48** | First-year **top ranker** with **2 Top Ranker awards** (CHARUSAT University and Devang Mehta Foundation Trust)

12th Standard, Science 2024
Ashadeep IIT Gujarat, India

- Percentile: **91.52** | GUJCET: **89.33** | JEE: **92.74**

10th Standard 2022
Ashadeep Vidhyalay 1 Gujarat, India

- Completed with **92.91 percentile**

ACHIEVEMENTS

- Qualified as **Grand Finalist** at NeuroX Hackathon 2026; placed **Top 250** out of 19,000+ teams at Odoo X 2025; secured **3rd place** at HackTrack 2026
- Solved **217 LeetCode** problems; earned HackerRank badges in Problem Solving, C++, C, and 30 Days of Code
- Qualified in RoboFest 5.0 to Level-II Proof of Concept (INR 50,000 support); won **3rd place** at C Quest (INR 5,000)