

# DEV CHAVDA

Python Developer · Data Analyst · Backend Engineer

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## SUMMARY

Python Developer and Data Analyst with 5 months of internship experience processing 50,000+ rows of operational data, automating 5+ reporting workflows, and cutting manual analyst effort by -40%. B.E. Robotics & AI — First Class with Distinction. Independently built two production-style systems: an ML-powered appointment platform (Flask + Scikit-learn + React.js) and an NLP job-matching pipeline — both live on GitHub. Strong CS foundations from GATE 2026 preparation (algorithms, DBMS, OS, networks).

## TECHNICAL SKILLS

<b>Languages</b>	Python, SQL, JavaScript (ES6+)
<b>Backend &amp; APIs</b>	Flask, REST API design, RBAC, business logic, request handling
<b>Data &amp; ML</b>	Pandas, NumPy, ETL, EDA, Scikit-learn, TF-IDF, BeautifulSoup, feature engineering
<b>Databases</b>	MySQL, SQLite, Firebase Firestore, Supabase
<b>Visualisation</b>	Matplotlib, Seaborn, Power BI, Excel
<b>Frontend / Tools</b>	React.js, Tailwind CSS, Git, GitHub, Jupyter, Render, Vercel

## EXPERIENCE

**Data Analyst Intern · BrainyBeam Technologies Pvt. Ltd.** · Ahmedabad Jan 2025 – May 2025

- ▶ Built Python ETL pipelines (Pandas) processing 50,000+ rows across multiple datasets; automated 5+ recurring reporting tasks, reducing monthly analyst effort by -40%.
- ▶ Authored 15+ multi-table SQL queries (JOINS, window functions, GROUP BY), replacing manual Excel aggregations and feeding 3+ internal reporting workflows.
- ▶ Built Power BI / Seaborn dashboards tracking 8+ KPIs, eliminating -6 hrs/month of ad-hoc reporting; designed validation logic cutting manual QA time by -30%.

**GATE 2026 CS — Full-Time Self-Study** Jun 2025 – Feb 2026

- ▶ 9-month structured study of algorithms, DBMS, OS, and computer networks — directly applicable to backend system design and data engineering roles.

## PROJECTS

**NexSlot — AI-Powered Appointment Scheduling Platform** 2025 – 2026

*Python · Flask · Scikit-learn · React.js · Supabase · Groq AI · SQLite · Tailwind CSS*

- ▶ Scheduling engine with conflict detection and concurrent booking management — zero double-bookings; 3-tier RBAC enforced across 10+ Flask API endpoints.
- ▶ Scikit-learn content-based recommendation engine ranking slots from 5+ behavioural features; sub-200ms response. Groq AI (LLaMA) natural language booking reduced user steps from 4 clicks to 1 message.
- ▶ Dual-role React.js UI (admin + client) with real-time Supabase subscriptions and fully responsive Tailwind CSS layout — live on GitHub.

**Job Scraper & Resume Matcher — NLP Automation Pipeline** 2026 – Ongoing

*Python · BeautifulSoup · Pandas · TF-IDF · SQLite*

- ▶ Scraped 500+ job listings into SQLite with deduplication; TF-IDF matcher scores resumes across 20+ skill dimensions — 85% accuracy vs. manual human scoring on test pairs.
- ▶ 5-stage modular pipeline (scrape → parse → normalize → match → output); each stage independently testable — new job board source integrated in under 30 minutes.

## EDUCATION

**B.E. in Robotics and Artificial Intelligence · L.J. Institute of Engineering and Technology, Ahmedabad** May 2025

**First Class with Distinction · CGPA: 7.01** · Coursework: ML, Computer Vision, DSA, DBMS, OS, Computer Networks