NISARG GAJJAR

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Education

Vellore institute of Technology Bhopal, India	**2022 - 2026**

- CGPA: **8.77**

KD Ambani Reliance Foundation School, India	**2021 - 2022**

- *CBSE (Class XII), Aggregate: 83.8%*

KD Ambani Reliance Foundation School, India	**2019 - 2020**

- *CBSE (Class X), Aggregate: 89.2%*

Skills

Programming & Frameworks: Python, Java, C++, Kotlin
Databases: MongoDB, PostgreSQL
Tools & Others: Git, Version Control Tools
Core Subjects: Operating System, Database Management System, Computer Networks, OOPs, Data Structures & Algorithms

Work Experience

Jio Platforms Limited	**Sept 2024 – Nov 2024**

- Developed and deployed a high-performance Python web scraper using BeautifulSoup and Scrapy frameworks to systematically collect operational data (location, daily traffic, amenities) for 10,000+ petrol pumps across India, creating the first centralized dataset to support Jio's nationwide EV infrastructure rollout strategy.
- Engineered data cleaning pipelines using Pandas and NumPy to handle missing values, normalize formats, and remove duplicates, improving dataset accuracy by 25% while reducing processing time by 30% through vectorized operations and parallel processing techniques.
- Collaborated with GIS and Product teams to design REST APIs (FastAPI) for seamless integration of scraped data into Jio's internal mapping tools, automating manual data entry processes and reducing the operations team's workload by 40% (saving ~15 hours/week).
- Conducted geospatial analysis (GeoPandas) to identify high-priority locations (top 15% by traffic volume and proximity to highways), presenting actionable insights via Tableau dashboards to senior leadership, directly influencing Phase 1 deployment plans for 500+ EV stations.

Projects

Android Book Discovery App(Kotlin, Jetpack Compose, Node.js, Express, Firebase (Auth/Firestore), Retrofit *)*

- **Developed** a full-stack Android application using **Kotlin** and **Jetpack Compose**, enabling **5,000+ users** to access free, curated books after authentication, with a **4.2/5 Play Store rating**.
- **Designed** a scalable backend with **Node.js** and **Express**, integrating **Firebase Auth** for secure sign-ups and **Retrofit** for API calls, reducing latency by **20%** through caching strategies.
- **Implemented** a personalized recommendation engine based on user reading history, increasing average session duration by **35%**.
- **Deployed** the app with **Firebase Hosting** and **Cloud Firestore**, ensuring real-time syncing of book metadata and user libraries across devices.

Academic and Extracurricular Achievements

- Achieved a top 1% ranking in the NPTEL Cloud Computing Examination out of 24,000 students.
- Practiced **100+** coding problems on *LeetCode* and *GeeksforGeeks*, developing proficiency in data structures, algorithms, and coding efficiency.

Certificates

- Cloud computing by NPTEL, May 2024
- Database for Developers, Oracle, August 2024
- Bits and Bytes of Computer Networking By Coursera, Dec 2023
- Python Essential by Vityarthi, May 2023
- MATLAB and Simulink Onramp Course, Sep 2022