

NISARG GAJJAR

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Education

KD Ambani Reliance Foundation School, India <ul style="list-style-type: none">CBSE (Class X), Aggregate: 89.2%	2019 - 2020
KD Ambani Reliance Foundation School, India <ul style="list-style-type: none">CBSE (Class XII), Aggregate: 83.8%	2021 - 2022
Vellore institute of Technology Bhopal, India <ul style="list-style-type: none">CGPA: 8.77	2022 - 2026

Skills

- Programming & Frameworks:** Python, C++, Kotlin, Jetpack Compose, Beautiful Soup
- Databases:** MongoDB, SQL
- Tools & Others:** Git, Version Control Tools
- Core Subjects:** Operating System, Database Management System, Computer Networks, OOPs, Data Structures & Algorithms

Work Experience

Jio Platforms Limited <ul style="list-style-type: none">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).	27.09.2024 – 26.11.2024
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Projects

Android Book Discovery App Kotlin, Jetpack Compose, Node.js, Express, Firebase (Auth/Firestore), Retrofit <ul style="list-style-type: none">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.	
Swasthya Google Firebase – Authentication, Cloud Firestore, Kotlin, SendGrid, Kotlin <ul style="list-style-type: none">Developed a cross-platform Android application for real-time hospital management, enabling seamless access to patient records, bed availability, and appointment scheduling.Integrated Firebase Authentication and Cloud Firestore for secure user access and real-time data synchronization with the centralized backend.Designed intuitive UI/UX flows for patients, doctors, and staff, including dashboards, appointment booking, and emergency resource tracking.Collaborated with backend teams to consume RESTful APIs (Kafka, Redis) for live updates on queues, ICU beds, and patient statuses.Ensured offline support and optimized performance for low-network environments in rural healthcare settings.	

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**, 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](#)
- [MATLAB and Simulink Onramp Course, Sep 2022](#)
- [Swayam NPTEL Marketing Analytics, 2025](#)