

# NISARG GAJJAR

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## Education

<b>KD Ambani Reliance Foundation School, India</b> <ul style="list-style-type: none"><li>CBSE (Class X), Aggregate: <b>89.2%</b></li></ul>	<b>2019 - 2020</b>
<b>KD Ambani Reliance Foundation School, India</b> <ul style="list-style-type: none"><li>CBSE (Class XII), Aggregate: <b>83.8%</b></li></ul>	<b>2021 - 2022</b>
<b>Vellore institute of Technology Bhopal, India</b> <ul style="list-style-type: none"><li>CGPA: <b>8.88</b></li></ul>	<b>2022 - 2026</b>

## Skills

- Programming & Frameworks:** C++, Kotlin, Jetpack Compose, BeautifulSoup, Python
- Databases:** MongoDB, SQL
- Tools & Others:** Git, Version Control Tools
- Core Subjects:** Operating System, Data Structures & Algorithms

## Work Experience

<b>Jio Platforms Limited</b>	<b>27.09.2024 – 26.11.2024</b>
<ul style="list-style-type: none"><li>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.</li><li>Engineered data cleaning pipelines using Pandas and NumPy to handle missing values, normalize formats, and remove duplicates, improving dataset accuracy by <b>25%</b> while reducing processing time by <b>30%</b> through vectorized operations and parallel processing techniques.</li><li>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).</li></ul>	

## Projects

<b>Android Book Discovery App</b>   Kotlin, Jetpack Compose, Node.js, Express, Firebase (Auth/Firestore), Retrofit	
<ul style="list-style-type: none"><li><b>Designed</b> a scalable backend with <b>Node.js</b> and <b>Express</b>, integrating <b>Firebase Auth</b> for secure sign-ups and <b>Retrofit</b> for API calls, reducing latency by <b>20%</b> through caching strategies.</li><li><b>Implemented</b> a personalized recommendation engine based on user reading history, increasing average session duration by <b>35%</b>.</li><li><b>Deployed</b> the app with <b>Firebase Hosting</b> and <b>Cloud Firestore</b>, ensuring real-time syncing of book metadata and user libraries across devices.</li></ul>	
<b>Swasthya</b>   Google Firebase – Authentication, Cloud Firestore, Kotlin, SendGrid, Kotlin	
<ul style="list-style-type: none"><li>Developed a native <b>Android application</b> for real-time hospital management, enabling seamless access to patient records, bed availability, and appointment scheduling.</li><li>Integrated <b>Firebase Authentication</b> and <b>Cloud Firestore</b> for secure user access and real-time data synchronization with the centralized backend.</li><li>Designed intuitive <b>UI/UX flows</b> for patients, doctors, and staff, including dashboards, appointment booking, and emergency resource tracking.</li><li>Collaborated with backend teams to consume <b>RESTful APIs</b> (Kafka, Redis) for live updates on queues, ICU beds, and patient statuses.</li><li>Ensured <b>offline support</b> and optimized performance for low-network environments in rural healthcare settings.</li></ul>	

## 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](#)