

# Nisarg Gajjar

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## EDUCATION

### VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering; CGPA: 9.04/10.0

Sehore, MP

Aug 2022 – Aug 2026

## TECHNICAL SKILLS

- **Programming Languages:** C++, Kotlin, Python
- **Frameworks & Tools:** Jetpack Compose, Retrofit, Scrapy, BeautifulSoup, SendGrid
- **Databases:** SQL, Firebase Firestore
- **Other:** REST APIs, Data Cleaning (Pandas, NumPy)

## CERTIFICATIONS

- GitHub Foundation (GitHub)
- OCI 2025 Foundations (Oracle)

## WORK EXPERIENCE

### Jio Platforms Limited

Sept 2024 – Nov 2024

Office Seat Occupancy Detection System | [GitHub](#)

- Automated real-time monitoring of 50+ office seats using Python, OpenCV, and YOLOv5, optimizing utilization by up to 30%.
- Achieved 95%+ detection accuracy by implementing object detection and tracking pipelines, generating actionable analytics.
- Reduced manual monitoring effort by 70% through real-time chair identification, occupancy tracking, and visual feedback with bounding boxes.

## PROJECTS

### Swaasthya | Kotlin, Firebase Authentication, Cloud Firestore, SendGrid | [GitHub](#)

- Built a healthcare management app for patients, doctors, and hospital staff with secure authentication, role-based access, and real-time dashboards.
- Integrated Firebase Authentication and Firestore for synchronized records, appointment scheduling, and resource tracking in emergencies.
- Designed intuitive UI/UX flows in Jetpack Compose for efficient patient management and hospital operations.

### Android Book Discovery App | Kotlin, Node.js, Express, Firebase, Retrofit

- Developed scalable backend with Node.js and Express, integrating Firebase Auth and API caching to reduce latency by 20%.
- Implemented personalized recommendation engine, improving user engagement and increasing average session duration by 35%.
- Deployed app with Firebase Hosting and Firestore, ensuring real-time sync of book metadata and libraries across devices.

## ACADEMIC & COMPETITIVE CODING

- Achieved **Top 1%** rank in NPTEL Cloud Computing (24,000+ students).
- Solved 150+ coding problems on LeetCode, strengthening proficiency in DSA and algorithms.

## CO-CURRICULAR ACTIVITIES

### Treasurer

Aug 2024 – Jan 2025

Bashcraft Club

Campus

- Spearheaded strategic planning and execution of high-impact technical events, including ideathons with 300+ participants to promote innovation and collaboration.