# Nisarg Gajjar

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## EDUCATION

**VIT Bhopal University** — Sehore, MP
Bachelor of Technology in Computer Science and Engineering; CGPA: 9.04/10.0 — Aug 2022 – Aug 2026

## TECHNICAL SKILLS

- **Programming Languages**: C++, Go (Golang), Kotlin, Python
- **Frameworks & Tools**: Jetpack Compose, Retrofit, Scrapy, Docker, Chi, sqlc
- **Databases**: PostgreSQL, SQL, Firebase Firestore
- **Other**: REST APIs, Data Cleaning (Pandas, NumPy)

## CERTIFICATIONS

- GitHub Foundation
- Oracle Certified - Data Platform 2025 Foundations Associate
- Meta Certified - Android Developer Professional

## 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.

**RSSync - RSS Feed Aggregator** | *Go (Golang), PostgreSQL, Docker, Chi, sqlc* | GitHub
- Developed a scalable RESTful API in Go using the Chi router for managing users, feeds, and subscriptions, leveraging sqlc for type-safe database interactions.
- Engineered a concurrent background worker to periodically scrape RSS/Atom feeds, parse XML content, and store posts in a PostgreSQL database.
- Containerized the database using Docker for reproducible environments and implemented secure, stateful API key-based authentication middleware.

## 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.