DIVYESH GAJANAN GAYGOL

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Profile Summary

Impact-driven Backend Engineer and Computer Science Engineering student with strong production exposure to scalable REST APIs, authentication systems, and real-time transaction pipelines. Proficient in Java, Spring Boot, FastAPI, SQL/NoSQL databases, and distributed systems fundamentals. Demonstrated ability to optimize performance, enforce security, and deliver fintech-grade backend services with measurable business outcomes.

Education

Vellore Institute of Technology, Bhopal   Expected May 2027
B.Tech in Computer Science Engineering (Specialization: Gaming Technology)

Skills & Technologies

Languages: Java, Kotlin, Python, C/C++, JavaScript/TypeScript
Backend & Frameworks: Spring Boot, FastAPI, Node.js, Express.js, NestJS
Databases: PostgreSQL, MySQL, MongoDB, Firebase
DevOps & Tools: Git, Docker, Postman, Linux, AWS (EC2, S3), Gemini API

Projects

MonBuyAPI   *Fintech-Grade Backend*

- Architected Spring Boot backend for wallet management and secure transactions with multi-user concurrency support.
- Implemented JWT authentication and role-based authorization, improving security posture by **60%**.
- Integrated Kafka for event-driven processing, increasing system throughput by **50%**.
- Designed idempotent transaction layers, reducing rollback failures by **70%**.
- Deployed rate-limiting and circuit-breaker patterns, cutting API abuse by **55%** and reducing latency to **205ms**.
- **Tech:** Java, Spring Boot, Kafka, SQL, JWT, REST

SentimindAI   *AI Sentiment Platform*

- Built AI-powered sentiment intelligence system with FastAPI backend and React frontend.
- Integrated Gemini API for real-time emotional detection, improving feedback triage by **45%**.
- Designed async micro-services enabling sentiment streaming with **sub-300ms latency**.
- Optimized MongoDB indexing and caching, boosting query performance by **50%**.
- **Tech:** FastAPI, Python, React, Gemini API, MongoDB

HealthMetricPlus   *Fitness Tracking App*

- Built fitness tracking app with Jetpack Compose featuring reactive UI and Firebase Authentication.
- Implemented encrypted cloud sync for secure real-time health data persistence.
- Optimized background sync reducing battery drain by **35%** and improving task completion by **48%** (50+ users).
- **Tech:** Kotlin, Jetpack Compose, Firebase

AniFetch   *Anime Discovery Engine*

- Developed anime discovery engine using Node.js and Jikan API with optimized request pipelines.
- Designed clean architecture achieving **40%** faster API responses with intelligent caching, reducing failures by **60%**.
- **Tech:** Node.js, Express.js, JavaScript, Jikan API

University Projects

Android App Development (Guided University Project) — Imarticus Learning   May 2025 – June 2025

- Developed production-grade Android application modules using Kotlin and MVVM architecture.
- Improved UI performance by **40%** through Jetpack-based layout optimization.
- Integrated Firebase Authentication and cloud sync achieving **99.9% session reliability**.
- Reduced API failure rates by **35%** using structured error handling and retry strategies.
- **Tech:** Kotlin, Android SDK, Firebase, REST APIs, Git, MVVM

Certifications

- Unity and C# Fundamentals — Meta (Coursera)   Python Certification — CodinGame   C++ Certification — CodinGame