GOPAL VERMA

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EDUCATION

Indian Institute of Information Technology, Vadodara　　　　　　　　　　**Nov 2022 – June 2026**
*B.Tech. in Computer Science and Engineering — **CGPA - 9.22***　　　　　　　*Gandhinagar, India*

Sunbeam School, Mau　　　　　　　　　　　　　　　　　　　　　　　　　　　**2021**
*XII (CBSE Board) — **Percentage - 89.8%***　　　　　　　　　　　　　　　　*Mau, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Security and Privacy
- DBMS
- Artificial Intelligence
- Image Processing
- OOPS Concept
- Android Development
- Software Engineering
- Edge Computing
- Computer Networks

Projects

Book My Doctor — Flutter, Node.js, Express.js, MySQL, Firebase, Netlify　　　　　　**Nov 2024**

- Engineered a doctor appointment system prototype handling **20+ simulated daily bookings** with **real-time scheduling** functionality
- Implemented **JWT authentication** with rate limiting (**100 requests/min**) and **encrypted tokens** during security testing
- Designed **REST API backend** handling **50+ concurrent test users** (JMeter load testing) with **98% success rate**

Notes App — Flutter, MongoDB, Node.js, Netlify　　　　　　　　　　　　　　　　**Oct 2024**

- Built cross-platform app with **CRUD operations** and **MongoDB Atlas** integration (tested with **100+ sample notes**)
- Implemented **real-time sync** using **Firebase Firestore** with offline support
- Optimized **API response time by 30%** by adding **server-side pagination** and **query indexing**

E-commerce Application — Flutter, Firebase, Algolia, Razorpay　　　　　　　　　**Feb 2024**

- Developed **Flutter UI** with **30+ product listings** and **Razorpay** checkout flow
- Integrated **Algolia search** achieving **<1s** results for 90% queries
- Structured **Firestore database** to reduce read operations by **35%** via data denormalization

Experience

CCBUL Consulting LLP　　　　　　　　　　　　　　　　　　　　　**May 2025 – July 2025**
Android Development Intern　　　　　　　　　　　　　　　　　　　　　　　　　*Remote*

- Built cross-platform apps in Flutter, improved load time by **30%**, fixed **15+ app crashes** and performance issues using debugging tools
- Integrated backend with PHP, MySQL, and XAMPP
- Worked in an agile team of **5**, led debugging and improved app performance and features

Indian Institute of Information Technology, Vadodara　　　　　　**Jan 2025 – April 2025**
Teaching Assistant – Linear Algebra & Matrices　　　　　　　　　　　*Gandhinagar, India*

- Conducted **10+ tutorial sessions** for **200+ students**, improving average scores by **15%**.
- Designed clear notes and created visualization tools in **MATLAB/Python** for matrix operations, **adopted by 2 faculty members**

TECHNICAL SKILLS

Languages: Python, Java, C, C++, Dart, JavaScript, SQL, NoSQL, HTML, CSS, Php

Developer Tools: VS Code, Android Studio, Matlab, Docker, Kubernetes, Archi, Postman, Selenium

Technologies/Frameworks: Linux, GitHub, React, NextJS, NodeJS, ExpressJS, Git, MongoDB, MySQL, Flutter, Firebase, JWT, RESTful APIs, WebSockets