

SANSKAR GAIKWAD

FULL STACK DEVELOPER & CLOUD ENGINEER

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PROFESSIONAL SUMMARY

Dynamic Information Technology student and Cloud-Native Developer with a specialized focus on scalable Backend Architectures and DevOps. Proficient in designing high-performance microservices using NestJS, Golang, and FastAPI, integrated with Kafka and Redis for low-latency communication. Proven expertise in Cloud Architecture, managing secure deployments on Google Cloud (GCP) and automating infrastructure with Docker and CI/CD pipelines to achieve a 20% reduction in deployment cycles. From developing the "CloudVault" secure storage system to monitoring production environments with Prometheus and Grafana, I excel at building resilient, Cloudable full-stack solutions that optimize system reliability and drive operational efficiency.

EDUCATION

M.Sc. in Information Technology - Cloud Computing

B.K.Birla College of Arts, Science & Commerce, Kalyan, India

Expected Graduation: May 2027

Coursework: Cloud Computing, Cloud Architecture and Design, AI/ML Development, Data Science

Highlights: Avishkar Mumbai University Gold Medal, Eyantra Robotics

B.Sc. in Information Technology

B.K.Birla College of Arts, Science & Commerce, Kalyan, India

Coursework: Web Development, AI Development, Application Development, DSA

Highlights: Ranked in Top 10 students, Synergy Excellence Award Winner, Leadership in Events

12th Standard

Vamanrao Sable Jr. College, Vishvagar

Maharashtra Board (HSC) **Percentage : 57%**

10th Standard

Gurukul International English High School, Badlapur

Maharashtra Board (SSC) **Percentage: 68%**

SKILLS

- **Frontend:** HTML, CSS, ReactJS, NextJS, Angular, VueJS, ThreeJS, Flutter, React Native
- **Backend:** NodeJS, ExpressJS, Fastify, Django, Java Spring Boot, FastAPI, Golang, Bun, Hono, NestJS, Flask
- **Databases:** MongoDB, Firebase, MySQL, PostgreSQL, SQLite, Supabase
- **DevOps:** Docker, GitLab CI, AWS, Google Cloud, Microsoft Azure, Jenkins, Vercel, Netlify, Render, Railway, Firebase
- **AI/ML:** TensorFlow, PyTorch, CNN Architecture, NLP/LLM Models, LangChainJS
- **Microservices:** Kafka, Redis, RabbitMQ, APIgee
- **Soft Skills:** Communication, Problem Solving, Quick Learner, Agile Methodology

EXPERIENCE

DevOps Engineer and Backend Developer, Drepto Biodevices pvt. ltd. (3rd November– present)

Developed secure, scalable and high handshake latency Backend using NestJS, also using Microservices like Kafka and Redis. Monitoring and Tracking using Prometheus and Grafana, a secure and scalable Deployments on Google Cloud C4D Virtual Machine.

Intern, Codtech (15th October – 15th November 2024)

Developed secure full-stack applications using FastAPI and ReactJS, enhancing system reliability and user trust. Implemented CI/CD pipelines with Docker and Github, reducing deployment time by 20%. Collaborated in agile teams to deliver high-quality, scalable solutions under tight deadlines.

PROJECTS

- **Drepto Biodevices Backend Development and Design**

Developed secure, scalable and high handshake latency Backend using NestJS, also using Microservices like Kafka and Redis. Monitoring and Tracking using Prometheus and Grafana, a secure and scalable Deployments on Google Cloud C4D Virtual Machine.

- **AI Mental Counseling Chatbot**

Designed an AI-powered chatbot using LangChainJS and NLP to provide mental health support. Achieved a 90% user satisfaction rate in testing through empathetic, human-like responses.

- **CloudVault - Secure Image Storage Cloud Application**

Developed a secure cloud storage system using Golang (backend) and ReactJS (frontend), integrated with the Birla College Scholarship Portal. Enabled scholarship applicants to securely upload and manage images, improving application efficiency by 20%. Implemented encryption and REST API endpoints to ensure data integrity and seamless database interaction.

- **Birla College Scholarship Portal**

Created a scholarship management system using ReactJS, ExpressJS, MongoDB, and MySQL, supporting over 500 students annually. Streamlined application workflows, reducing manual errors by 25% and ensuring timely deadline notifications.