DEV GARG

8447052600 devgarg062@gmail.com devgarg0203 Devgarg062

SUMMARY

BTech Computer Science student with hands-on experience in cloud-native development, backend engineering, and AI integration. Built scalable systems using AWS (Lambda, Kinesis), FastAPI, and NLP tools like spaCy. Passionate about solving real-world problems with efficient, clean, and modular code. Open to roles in backend, cloud, or applied AI.

TECHNICAL SKILLS

- Languages: C,C++,Java,Python
- Generative AI: Langchain,Vector Databases
- Web Development: HTML, CSS, JavaScript, FastAPI
- Data Structures and Algorithms: Proficient in DSA concepts
- Cloud and DevOps: Aws, Google Cloud, Azure
- Other skills: Linux,Databases, OOPS

PROFESSIONAL EXPERIENCE

Intern – NanoBios Lab, IIT Bombay **May 2025 - June 2025**

- Worked on experimental systems related to computer vision and automated form data processing
- Built independent modules focusing on data extraction, backend logic, and automated workflows
- Gained exposure to research-driven development practices and early-stage prototyping

EDUCATION

Bachelor of Technology Computer Science Engineering **2023 - 2027**
Manipal University Jaipur

High School **2009 - 2023**
Maxfort School

PROJECTS

Real-Time Fraud Detection System (AWS)
Designed a serverless system using Kinesis, Lambda, DynamoDB, and SNS to detect suspicious transactions in real-time.
Optimized for AWS Free Tier with minimal latency and high scalability.
Implemented rule-based fraud detection with AI/ML readiness and stored logs in S3 for analysis.

AWS Cloud Optimization Tool
Developed a cloud cost optimization system using EC2, S3, and Lambda monitoring.
Integrated AWS Cost Explorer and CloudWatch to track usage, automate scaling, and reduce expenses.
Designed for real-time insights and efficient resource allocation using serverless architecture.

Legal Document Analyzer (FastAPI + NLP)
Built a FastAPI app to analyze legal documents by extracting text from PDFs and Word files.
Applied NLP using spaCy for NER, keyword extraction, and frequency analysis.
Stored results in MySQL via SQLAlchemy and documented APIs using Swagger UI.

HealthConnect – Scalable Telemedicine & AI-Integrated Platform
Developed a secure, full-stack telemedicine platform with FastAPI, real-time WebSocket chat, and Jitsi video calls.
Built dynamic dashboards with JWT-based auth and appointment workflows for multi-user (doctor/patient) support.
Designed a responsive frontend using HTML, Bootstrap, and vanilla JavaScript.
Planning AI integration for appointment triage, chat summarization, and health analytics.
Continuously enhancing system scalability and preparing for modular AI-based deployment.