

GAGAN GOWDA B G

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OBJECTIVE

DevOps and Cloud Engineering enthusiast with hands-on experience in containerization, CI/CD pipelines, cloud deployment, and infrastructure automation. Seeking an entry-level DevOps Engineer role to design, build, and maintain scalable cloud infrastructure while continuously expanding expertise in modern deployment practices.

EDUCATION

K S Institute of Technology, Bangalore

B.E - Computer Science and Engineering

2026

Bangalore, India

Sri Chaitanya PU College, Bengaluru

Pre-University

2022

Bengaluru, India

Sri Chaitanya Techno School

SSLC

2020

Bengaluru, India

TECHNICAL SKILLS

- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, CloudWatch), Google Cloud Platform (GCP), Render
- **DevOps & Containerization:** Docker, Docker Compose, Kubernetes (fundamentals), CI/CD Pipelines, GitHub Actions
- **Infrastructure & Automation:** Linux/Unix, Bash Scripting, Infrastructure as Code (IaC), Apache Airflow, Terraform (fundamentals)
- **Programming & Scripting:** Python, Java, JavaScript, SQL, Bash, REST APIs
- **Databases & Tools:** PostgreSQL, MySQL, Git/GitHub, Jupyter Notebook, Flask

PROJECTS

Dockerized ETL Pipeline with Apache Airflow & PostgreSQL

- Architected and deployed a production-ready containerized ETL pipeline using Apache Airflow for workflow orchestration and data ingestion from external APIs.
- Containerized entire application stack using Docker and Docker Compose, enabling consistent deployment across development, staging, and production environments.
- Configured PostgreSQL as persistent data layer with schema design and connection pooling for reliability and performance.
- Implemented version control and collaborative workflow using Git/GitHub with proper commit history and branching strategy.
- **Key Skills Demonstrated:** Docker, Docker Compose, CI/CD fundamentals, Apache Airflow, PostgreSQL, Python scripting, API integration

PhytoDetect AI - Cloud Deployment & Scalable Backend Architecture

- Deployed machine learning inference service on Render cloud platform with automated scaling and monitoring for high availability.
- Engineered RESTful API backend using Flask framework for seamless integration between frontend and ML inference services.
- Implemented multilingual support and responsive design for cross-platform web and mobile applications.
- Managed complete application lifecycle from development through production deployment with GitHub repository management and version control.
- **Key Skills Demonstrated:** Cloud deployment, API design, Python backend development, Render, GitHub, system architecture

Colour-Based Object Sorting System

- Integrated microcontroller-based automation with Python backend and image processing logic for real-time hardware control.
- Developed backend APIs and serial communication protocols for reliable device-to-software integration.
- **Technologies:** Python, OpenCV, Arduino, Flask, HTML/CSS

CERTIFICATIONS & TRAINING

- **100 Days of Code: The Complete Python Pro Bootcamp (Udemy)** - Python fundamentals, automation, and scripting

- **Programming Fundamentals using Python (Infosys SpringBoard)** - Core Python concepts
- **Artificial Intelligence in Industrial and Management Engineering (NPTEL)** - AI/ML fundamentals
- **React JS Free Course (Scaler Topics)** - Frontend development
- **C-programming Course** - Systems-level programming

ACHIEVEMENTS & INVOLVEMENT

- Volunteer, Sentinel Hack 5.0 - hackathon infrastructure and event coordination
- Organizing Committee Member, The Great Bengaluru Hackathon 2025
- Core Committee Member, College Fest Organization - event coordination and logistics management
- Division-Level Kabaddi Player - athletic commitment and team discipline