

# VATSAL GUPTA

Bangalore, India

☎ +91-91719 35180

✉ vatsalgupta2003@gmail.com

🌐 vatsal-gupta-

🔗 vatsalgupta25

## EDUCATION

**Dayananda Sagar College of Engineering**

*B.E Electronics and Communication Engineering - 7.4*

**12 2021 – 06 2025**

*Bangalore, India*

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Database Management System (DBMS)
- Machine Learning
- Computer Networks
- OOPS Concept

## PROJECTS

**Flask-Deployment-On-Minikube** 🔗 | Kubernetes, Flask, Docker, PostgreSQL

**06 2024**

- Deployed a Flask web application and PostgreSQL database in separate pods on a Minikube cluster.
- Configured Kubernetes services for pod communication and managed sensitive data using Kubernetes secrets.

**10 Microservices application deployment on EKS** 🔗 | AWS(EKS), Jenkins

**09 2024**

- Deployed a 10 microservices application on AWS EKS using Jenkins for CI/CD pipelines and Kubernetes for orchestration, ensuring streamlined deployment and scaling.
- Leveraged AWS EKS for managed Kubernetes infrastructure, enabling efficient management and scaling of microservices.

**Load Balancing Server** 🔗 | AWS

**08 2024**

- Successfully set up a highly available load balancing server using Azure Cloud Services, ensuring optimal distribution of network traffic across multiple servers.
- Implemented Azure Load Balancer and Traffic Manager for efficient traffic management, enhancing system reliability and performance.

**Groww Automation Tool** 🔗 | Python, Selenium, Pandas

**07 2024**

- Developed an automatic tool using Python and Selenium to get insights of a company.
- Implemented Selenium to create an instance of Firefox to interact with the correct elements of the web page.

**Flask Deployment using Terraform** 🔗 | Terraform, AWS

**10 2024**

- Successfully deployed a Flask application using Terraform, automating the creation and management of essential infrastructure components including VPC, security groups, and internet gateways.
- Streamlined the deployment process by implementing Infrastructure as Code (IaC) principles, ensuring a scalable and reproducible environment for the Flask application.

## TECHNICAL SKILLS

**Languages:** Python, C++, HTML, CSS

**Developer Tools:** Terraform, Docker, Kubernetes, Puppet, Jenkins

**Technologies/Frameworks:** Linux (Ubuntu, Kali), GitHub, Git

**Databases:** MS SQL

**Cloud/Server:** Azure, AWS, Nginx

## EXTRACURRICULAR

**Innovation and Entrepreneurship Development Centre** 🔗

**02 2022 – 09 2023**

*Event Management*

*DSCE*

- Organized several events for the club with 150+ Participants. Maintained a team of 20+ members for organizing Events.

**Blogs** 🔗

**12 2023 – Present**

*Technical Blogs*

*Hashnode*

- Wrote blog on Hashnode about Search Engine Algorithms (SEA)

## CERTIFICATIONS

- Configuration Management and the Cloud - Coursera
- Database Structures and Management with MySQL - Coursera
- JP Morgan Investment Banking Virtual Experience - Forage