

# Gopal Vishwakarma

Portfolio: portfolio.gopal

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## EDUCATION

- Sheth L. U. J. and Sir M. V. College of Science, Commerce and Arts** Mumbai, India  
*Bachelor of Science in Computer Science* August 2022 – May 2025  
*Relevant Courses:* Operating Systems, Data Structures, Algorithms, Cloud Computing, Networking, Database Management, Software Engineering
- Siddharth College of Arts, Science and Commerce** Mumbai, India  
*Higher Secondary School Certificate* July 2020 – May 2022  
*Focus:* Science and Mathematics with an emphasis on problem-solving, analytical thinking, and foundational computer science concepts

## SKILLS SUMMARY

- Languages:** Python, SQL (MySQL, PostgreSQL), Kotlin, HTML/CSS, PHP, Shell Scripting
- DevOps Tools:** AWS, Git, Docker, Kubernetes, Jenkins, Terraform, CI/CD Pipelines, Infrastructure as Code
- Security & Optimization:** Firewall (CSF, LFD), Load Balancing, Performance Tuning, Security Audits, Vulnerability Management
- Platforms:** Linux (AlmaLinux, Ubuntu), Web Hosting, Cloud Infrastructure, Virtual Machines
- Soft Skills:** Problem-Solving, Team Collaboration, Time Management, Root Cause Analysis, Adaptability, Effective Communication

## EXPERIENCE

- Support Hives Technology LLP** Mumbai, India  
*DevOps Engineer* September 2024 – Present
  - CI/CD Pipeline Design:** Architected and managed robust CI/CD pipelines using Jenkins, enabling rapid and reliable application deployments across development, staging, and production environments.
  - Automation Mastery:** Developed Bash scripts to automate server maintenance tasks such as backups, log management, system updates, and monitoring, significantly enhancing operational efficiency.
  - Infrastructure Optimization:** Enhanced cloud infrastructure on AWS, improving scalability and reducing operational costs through strategic resource allocation, workload balancing, and instance optimization.
  - Security Implementation:** Performed regular security audits, applied system updates to Linux environments, and implemented best practices to proactively address vulnerabilities and ensure system integrity.
- Support Hives Technology LLP** Mumbai, India  
*DevOps Intern* April 2024 – August 2024
  - Containerized Deployments:** Utilized Docker to deploy application updates and fixes, improving system stability and minimizing downtime across production and testing environments.
  - Task Automation:** Created custom scripts to automate routine monitoring, logging, and maintenance tasks, streamlining workflows and reducing manual intervention for the DevOps team.
  - Incident Resolution:** Conducted in-depth root cause analysis for production issues, designing and implementing solutions to prevent recurring errors and improve system reliability.

## PROJECTS

- Dynamic Web Application with Docker and Flask Architecture (Containerization, Web Development):** Engineered a fully containerized web application using Docker, Flask, NGINX, Redis, and PostgreSQL on AlmaLinux, featuring a contact form with email functionality via Flask-Mail. Demonstrated expertise in service orchestration with Docker Compose and networking. [LINK DEMO](#)
- Seamless Deployment of Node.js Website with Jenkins and Docker (CI/CD, Automation):** Built an automated CI/CD pipeline for a Node.js application using Jenkins and Docker on AlmaLinux, integrating GitHub webhooks for continuous integration. Streamlined deployment processes with custom Dockerfiles and automated container management. [LINK DEMO](#)
- Professional Deployment: Della.in (AWS, Security):** Deployed a WordPress site on an AWS instance with OpenVPN and MFA for SSH access, ensuring high security without reliance on control panels. Configured CSF/LFD firewalls, optimized performance manually, and ensured uptime for a seamless user experience.
- Multi-Site Hosting Infrastructure (Scalability, Docker):** Managed hosting for over 400+ sites, including Laravel, WordPress, and static applications, using Docker and custom panels. Implemented automated backups, load balancing, and monitoring for robust performance and scalability across diverse workloads.

## HONORS AND AWARDS

- 1st Position in IoT Innovation Competition – Sheth L.U.J. College of Arts & Sir M.V. College, April 2024