

Marella Vijay Bhargav

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Professional Summary

Driven and certified **DevOps Engineer in training** with hands-on experience in **cloud infrastructure, automation, and security**. Experienced in building scalable cloud solutions, deploying secure pipelines, and implementing **CI/CD and Infrastructure as Code (IaC)** practices. Optimized workflows and implemented best practices across Microsoft Azure and Amazon Web Services (AWS) environments, enhancing system performance, scalability, and reliability.

Education

Bachelor of Technology in Electronics and Communication Engineering

Pragati Engineering College, Andhra Pradesh
CGPA: **7.06**

Expected: **2026**

Higher Secondary Education

Little Woods School, Andhra Pradesh
Percentage: **75%**

2020

Technical Skills

- **Cloud Platforms:** Azure (VMs, DevOps, Networking), AWS (EC2, S3, IAM, VPC, Lambda)
- **DevOps Tools:** Docker, Kubernetes, Jenkins, Terraform, GitHub Actions, Ansible
- **Programming:** Python, Bash, C
- **Infrastructure as Code:** Terraform, CloudFormation, ARM Templates
- **Cybersecurity:** IAM, SIEM, SOC, Firewalls, Zero Trust Architecture
- **Monitoring:** AWS CloudWatch, Prometheus, Grafana
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows

Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900)
- Oracle Cloud Infrastructure 2025 Certified DevOps Professional
- Zscaler Zero Trust Certified Associate (ZTCA)
- AWS Academy Graduate – Cloud Foundations & Cloud Architecting
- Salesforce AI Associate Certification
- IBM Data Science Foundations – Level 1 & Level 2
- Google Cloud Computing Foundations
- Cisco: CCNA (Introduction to Networks, Routing Switching, Enterprise Networking)

Internships

1M1B Green Skills Internship – Sustainability and Technology Capstone *May–June 2025 — Remote*

- Completed a 30-hour capstone project under the 1M1B (One Million for One Billion) initiative, independently developing an AI-powered chatbot to raise awareness on renewable energy and sustainable practices.
- Designed and implemented the chatbot with natural language processing capabilities, enabling automated responses to 100+ sustainability-related queries.
- Integrated multi-language support and a user-friendly UI to improve accessibility, increasing potential reach by 50%.
- Optimized the chatbot's performance and deployment process, ensuring scalability, reliability, and 24/7 availability.

Projects and Experience

InfoPilot – AI-Powered Chatbot Assistant

Rasa Pro, Docker, OpenAI, React

- Engineered a multilingual chatbot using Rasa and ChatGPT API, capable of handling unlimited user queries and achieving an 85% reduction in manual queries.
- Integrated custom React UI and containerized backend with Docker, ensuring 24/7 availability and ease of deployment.
- Boosted user engagement by 40% through multilingual fallback and smart conversation handling.

Professional Portfolio Website with CI/CD Pipeline

React, Tailwind CSS, GitHub Actions, Docker

- Built a fully responsive, professional-grade portfolio website to showcase projects, certifications, and skills, improving personal brand visibility by 60%.
- Implemented an automated CI/CD pipeline with GitHub Actions and Docker, reducing deployment time by 70% and eliminating manual release errors.
- Enhanced site performance and user experience with advanced animations and optimized assets, leading to faster load times and higher visitor engagement.

Cloud Infrastructure Deployment Project

AWS, Azure, Terraform

- Automated secure cloud provisioning using Terraform across 10+ EC2 and Azure VMs, decreasing setup time by 30%.
- Enforced RBAC, VPC isolation, and IAM policies to safeguard workloads and improve access governance.
- Championed MFA, encryption, and security best practices, minimizing vulnerabilities in cloud systems.

Additional Activities

- Completed 3+ virtual bootcamps on cloud, DevOps, and full-stack development with hands-on projects.
- Built and tested Android applications under Google + AICTE internship, applying Java and UI frameworks.
- Developed UI prototypes in a 2-day IIT Hyderabad workshop using HTML, CSS, and JavaScript.
- Solved 100+ problems on LeetCode and HackerRank, enhancing algorithm design and DSA proficiency.