

M.HARI NATH REDDY

Email: mallangiharinathreddy727@gmail.com | LinkedIn: [LINKEDIN](#) | Phone: +91-9398199717

PROFESSIONAL SUMMARY

Aspiring Software Engineer with a strong foundation in computer science and hands-on experience in software development through academic projects and internships. Eager to apply my programming skills and problem-solving abilities to contribute to innovative software solutions. Motivated to learn and grow within a dynamic tech environment.

INTERNSHIPS

Infosys Springboard 5.0| Machine Learning Intern [LINK](#)

Oct-Dec (2024)

- Designed and implemented an unsupervised anomaly detection system for identifying fraudulent behavior in healthcare provider data.
- Performed exploratory data analysis (EDA), data preprocessing, and feature engineering using Python libraries like Pandas and Scikit-learn.
- Developed and optimized machine learning models including Isolation Forest, XGBoost, and Random Forest.
- Applied deep learning autoencoders in TensorFlow for detecting anomalies in high-dimensional datasets.

Internship Studio| DevOps Intern [LINK](#)

Feb- March (2025)

- Automated build and deployment processes using Jenkins and Maven for Java-based web applications.
- Deployed applications on AWS EC2 instances using Apache Tomcat, improving deployment efficiency.
- Utilized GitHub for version control, managing feature branches and resolving code conflicts effectively.
- Gained hands-on experience with CI/CD workflows, deployment automation, and infrastructure on AWS.

KEY PROJECTS

Cloud-Based Web Application Deployment Using DevOps [LINK](#)

Dec-2024

- Automated the build process using Maven for dependency management and compilation.
- Used GitHub for version control to track and manage code changes efficiently.
- Configured Jenkins for automated build, testing, and deployment.
- Deployed the application on Apache Tomcat hosted on AWS EC2 for scalability.
- Enabled automatic deployment to EC2 via Jenkins to minimize downtime.
- Enhanced the CI/CD workflow with automated testing, notifications, and rollback mechanisms.

E-COMMERCE DEVOPS Implementation [LINK](#)

May-2025

- Implemented DevOps practices like containerization, orchestration, Infrastructure as Code (IaC), and CI/CD for a demo e-commerce project.
- Worked on microservices-based applications, applying DevOps best practices.
- Used Terraform to create an EKS cluster within a VPC using Terraform modules.
- Built a CI/CD pipeline for a Java microservice with GitHub Actions and Argo CD, enabling end-to-end automation.
- Good understanding of AWS, including VPCs, Load Balancers, and networking concepts.
- Secured frontend access by mapping Route 53 DNS with a domain provider.

ACHIEVEMENTS

- Selected at the school level for the State Level **Spell-Bee** Competition.
- Secured 3rd place in Code Sangram Hackathon** – Recognized for developing an innovative prototype under tight time constraints in a highly competitive coding event.

EDUCATION

Narayana Jr College

Vijayawada, India

Intermediate (MPC) - Percentage-93.6%

2020-22

Alliance University

Bangalore, India

Bachelor of Technology in Computer Science and Engineering (BTECH, CSE); GPA:8.5

2022-26

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python, Shell Scripting
Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP) — EC2, S3, IAM, Route 53, VPC, CloudWatch, Azure App Services, Azure VMs, Azure DevOps
DevOps Tools: Jenkins, GitHub, Git, Maven, Docker, Kubernetes, Terraform, Ansible, Argo CD
Data & Analytics Libraries: Pandas, NumPy, Matplotlib, Scikit-Learn
Operating Systems: Linux (User/file management, networking, shell scripting, system patching)

CERTIFICATIONS [LINK](#)

- Preparing for Google Cloud Certification: Professional Cloud Data Engineer** — Coursera
- AWS Cloud Support Associate** — Professional Certificate, Coursera
- Google Cloud Cybersecurity** — Professional Certificate, Coursera
- DevOps Certification: Beginner to Advanced with Projects** — Udemy, Completed April 2025