

# PRASAD GUNAWARDHANA

Devops Engineer

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## Profile Summary

Motivated IT undergraduate with a background in software engineering and a strong interest in DevOps practices. Skilled in version control, containerization, and automation using Git, Docker, and CI/CD pipelines. Familiar with cloud platforms such as AWS and infrastructure as code concepts. Eager to start my career as a DevOps intern and gain hands-on experience in deployment automation, cloud infrastructure management, and system monitoring while contributing to real-world projects.

## Core Highlights

- Well-versed in related modules such as Data Structures and Algorithms, Object-Oriented Programming, Information Security, Database Management Systems, Computer Vision and Image Processing, Object-Oriented Design Patterns and Principles, and Software Architecture.
- Good problem-solving ability and quick adaptability to new tools and technologies.
- Basic understanding of cloud services (AWS) and infrastructure as code (Terraform).
- Enthusiastic to gain practical DevOps exposure and contribute to real-world projects.

## Core Skills

**Programming Languages** | Java, JavaScript, Python

**Databases** | MySQL, MongoDB, Firebase, SQL

**Tools** | GitHub, Postman, Docker, Linux ,Ansible, Terraform , GitLab

**Cloud Platforms** | S3,EC2,IAM,Lambda,RDS,AWS CLI

**Containerization & Orchestration** | Docker

**CI/CD & Automation** | GitHub Actions, Jenkins pipelines, Linux shell scripting

## Work Experience

### Intern -software Engineer | NOVA TECH LAB(PVT)LTD.Panadura ,sri Lanka | Mar 2025-Sep2025

- Assisted in the development and maintenance of applications.
- Developed responsive web interfaces using React.js, JavaScript, and CSS.
- Collaborated with backend developers to integrate APIs and ensure smooth data flow.
- Participated in coding, testing, debugging, and documenting software components.
- Collaborated with team members to analyze requirements and design solutions.
- Learned and implemented best practices in software development.

## Projects

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### **Construction Management System | React | Nodejs | Express | MongoDB**

The Construction management system developed using the MERN stack offers a comprehensive solution for users and administrators.

### **Online Sales Management System | React | Firebase [Link](#)**

Developed a web-based platform for customers to find photography-related services for weddings.

### **DevOps Project | GitHub | Jenkins | Terraform | Ansible | AWS EC2**

Designed and implemented a complete DevOps workflow where Jenkins automatically pulls code from GitHub, provisions AWS EC2 infrastructure using Terraform, and configures the servers with Ansible for seamless application deployment.

### **CI/CD Pipeline Project | Jenkins | Git | Maven | Tomcat**

Built a fully automated CI/CD pipeline using Jenkins to continuously pull code from Git, build the application with Maven, run tests, and deploy the generated artifact to an Apache Tomcat server.

### **GitLab CI Pipeline Project | GitLab CI/CD | Maven | SonarQube | Docker**

Implemented a complete CI/CD pipeline using GitLab CI to build a Java application with Maven, perform code quality analysis using SonarQube, and execute the pipeline using a Docker runner on an AWS EC2 instance.

## Education

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### **BSc (Hons) in information Technology Specializing in information | University of SLIIT | 2022-present**

**G.C.E Advanced Level | Niwaththakachethiya national college | 2017-2019**

## References

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**Miss K.A.C Indumini**

**Academic Instructor at SLIIT**

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