

# PRABHU SENTHILKUMAR

Bengaluru, Karnataka

 +91 9344673906

 prabhucse2k25@gmail.com

 linkedin.com/in/46prabhu

 github.com/Prabu46

## Summary

Aspiring DevOps Engineer with hands-on experience in AWS Cloud, Docker, Git, Linux, and Python automation. Skilled in containerizing applications and working with CI/CD workflows using GitHub Actions, with beginner-level experience in Jenkins, Terraform, and Kubernetes. Strong foundation in cloud computing as an AWS re/Start Graduate and AWS Certified Cloud Practitioner. Passionate about automation, reliability, and learning end-to-end DevOps practices.

## Education

### Sona College of Technology

*Bachelor of Engineering in Computer Science*

**Sep. 2021 – May 2025**

*Salem, TamilNadu*

### Cultus Education and Technology Services

*AWS re/Start Cloud Practitioner*

**July 2025 – October 2025**

*Salem, TamilNadu*

## Internship Experience

### Edunet Foundation

*Front End Developer Intern*

**August 2025 – October 2025**

*Salem, TamilNadu*

- Developed and maintained responsive web pages using HTML, CSS, and JavaScript and assisted in building interactive UI components with React.js to improve user experience.
- Collaborated with team members on real-time projects, following Agile practices and used Git/GitHub for version control and project collaboration.
- Tested and debugged web applications to ensure cross-browser compatibility and contributed to documentation and project discussions, enhancing team communication skills.
- Worked with Git/GitHub, Linux-based workflows, and collaborative development environments, improving overall DevOps readiness. .

## Projects

### AI-Powered Petition Processing System

**April 2025**

- Developed an end-to-end AI-driven petition processing system using OCR (Tesseract, EasyOCR) and BERT/LLM pipelines to classify and track legal petitions.
- Improved processing time by 40% through optimized real-time petition classification and workflow automation.
- Integrated Explainable AI (XAI) techniques (LIME, SHAP) to ensure transparency, interpretability, and trust in legal decision-making.
- Tech Stack & Tools: Python, PyTorch, Hugging Face Transformers, FastAPI, PostgreSQL, Docker, Git

### Dockerized Web Application Deployment

**November 2025**

- Containerized a Python web application using Docker and created an optimized Dockerfile for consistent builds.
- Used Docker Compose to run multi-container environments and streamline local deployment workflows.
- Configured environment variables and volumes to ensure secure and scalable application deployment.

### Interactive Personal Portfolio

**Sep 2025**

- Developed an interactive personal portfolio website using HTML, CSS, JavaScript, and React to showcase projects and skills
- Implemented responsive design principles (Flexbox, Grid, Media Queries) to ensure seamless experience across devices
- Enhanced user engagement with smooth animations, interactive UI components, and optimized performance.

## Technical Skills

**DevOps Tools:** GitHub Actions, Jenkins, Terraform, Docker, Kubernetes – Beginner

**Cloud Platform:** AWS (EC2, S3, VPC, IAM, CloudWatch),

**Programming & Scripting:** Python, Java, Bash/Shell, SQL

**Operating Systems:** Linux (CLI, Permissions, Processes), Windows

**Web Technologies:** HTML, CSS, JavaScript, React.js, PHP, MySQL

**Developer Tools:** Git/GitHub, VS Code, Postman, Chrome DevTools

## Certifications

- Certified Cloud Practitioner – Amazon Web Service
- Oracle Cloud Infrastructure 2025 Certified Architect Associate
- Web Development Fundamentals – IBM Skills build.
- Introduction To Packet Tracer – Cisco Networking Academy