

PRABHU SENTHILKUMAR

Bengaluru, Karnataka

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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