

Dharma Teja Thoutam

+46 763642563 - thoutamdharmaiteja@gmail.com - [Linkedin](#) - [Github](#) - [Portfolio](#)

PROFILE SUMMARY

Recent Master's graduate (Sweden) with hands-on experience in DevOps, cloud automation, CI/CD, and scalable software solutions. Advanced skills in Python, Docker, Kubernetes and major cloud platforms (AWS, Azure, OpenStack). Proven ability to automate deployments, optimize cloud costs, and deliver AI-powered systems in Agile/Scrum teams. Strong communicator, collaborating with global teams in dynamic environments.

EDUCATION

Blekinge Institute of Technology (BTH)

M.Sc Electrical Engineering with an emphasis on Telecommunication Systems

Karlskrona, Sweden

Jan 2023 - Oct 2024

- Focus: Cloud Networking, AI-Driven Systems, Infrastructure Automation

JNTUH College of Engineering

B.Tech + M.Tech in Electronics & Communication Engineering

Hyderabad, India

Aug 2019 - Jan 2023

SKILLS

Programming & Scripting: Python, C, C++, Bash

AI/ML & GenAI: PyTorch, TensorFlow, Scikit-learn, LangChain, HuggingFace, RAG, Vector Databases.

Cloud: AWS(EC2, S3, EKS, IAM), Azure, OpenStack.

DevOps: Docker, Kubernetes, Ansible, Terraform, Git, Gerrit.

Automation & CI/CD: Jenkins, Ansible, Terraform, Observability, Cloud-Native Design.

Monitoring & Protocols: Grafana, Prometheus, Open Telemetry

Web & Backend Development: Flask, FastAPI, Django, REST APIs, PostgreSQL, MySQL.

Tools & Workflow: Jira, Confluence, Agile, Linux (Ubuntu, CentOS).

WORK EXPERIENCE

Summer Intern

Karlskrona, Sweden

Ericsson

June 2024 - August 2024

- * Automated log monitoring with **Python**, **Grafana**, **Loki**; reduced analysis workload by **30%**.
- * Developed **CI/CD scripts** and **Docker containers** for **AI support systems**.
- * Deployed **scalable AI backend on cloud**, integrating real-time **APIs** for diagnostics
- * Collaborated in **Agile** teams to drive delivery of high-impact projects.

Master Thesis Student

Karlskrona, Sweden

Ericsson

Jan 2024 - June 2024

- * Built **RAG chatbot in Python** using **LangChain**, **Hugging Face LLMs**, **Docker**, and **Streamlit**
- * Improved user experience, achieving **95% user satisfaction** and **90% preference over human support**.
- * Led full **software lifecycle** from **requirements** to **deployment**, supporting telecom digitalisation.

PROJECTS

OpenStack Deployment Automation with Ansible [Link Here](#)

- * Automated provisioning and configuration of virtual machines using **Ansible**, **network automation** workflows
- * Developed and maintained **Bash** scripts to manage system states and services.
- * Monitored systems with **Grafana** and benchmarked support for **10,000 users**.
- * Documentation of the project [Link Here](#)

Cloud-Native Flask Pipeline (AWS + Kubernetes) [Link Here](#)

- * Deployed a **Flask** microservice on **AWS EKS** with **Docker** and **GitHub Actions**, achieving **95%** automated deployment.
- * Configured **Prometheus** and **Grafana** for real-time monitoring across **10+** pods with custom alert rules.
- * Automated resource checks & Prometheus API queries via **shell** & **Python**, improving validation efficiency by **80%**.
- * Documentation of the project [Link Here](#)

SNMP Prober for Real-Time Network Monitoring [Link Here](#)

- * Developed an **SNMP Prober** in **Python** using the **EasySNMP** capturing **98%** of key metrics in real time.
- * Ensured robust **data collection** and minimal packet loss, enabling real-time performance monitoring of network.
- * Improved data reliability with protocol-compliant **error handling**, reducing false positives by **60%**.

CERTIFICATIONS

- * AWS Cloud Technical Essentials (2025) [Link](#)
- * DevOps Beginner to Advanced (2024) [Link](#)
- * Python Complete Masterclass (2023) [Link](#)
- * Prompt Engineering for Developers (2023)