



# RIDHAM PANSARA

Master's Student - Cloud & DevOps Engineering

## Contact

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### Address

Karlsruhe, Germany

## Education

2023 - Present

### M.Eng. in Computer Engineering for IoT Systems

Nordhausen University of Applied Sciences - Germany

2017 - 2022

### B.Eng. in Computer Engineering

Gujarat Technical University - India

## Language

English - Fluent

German - A2-B1 (conversational)

## Certifications

### • AWS Cloud Practitioner Essentials

AWS Training & Certification (AWS Skill Builder) | Jan 2026

### • Introduction to Git and GitHub

Google (Coursera) | Jan 2026 | ID: ANQJQGAP9NMK

### • Bash Scripting and Shell Programming

Udemy (Jason Cannon) | Dec 2025

### • Linux Basics: The Command Line Interface

Dartmouth College & IMT (Coursera) | Nov 2025 | ID: VC33A902QMB8

## Summary

Master's student focused on cloud computing and distributed systems, with practical experience in cloud-integrated architectures, data pipelines, and scalable application design. I have a strong foundation in key cloud concepts, including compute, storage, networking, IAM/security, and monitoring. I am looking for a master's thesis or internship in cloud computing or cloud infrastructure to help create reliable, real-world cloud solutions.

## Projects

- **IoT Cloud Integration Prototype:** STM32/LoRa + BME680 sensor pipeline was constructed; C/Python data processing was done, and CI/CD was set up using Git + GitHub Actions.
- **Network Performance Benchmarking (eBPF/XDP):** eBPF/XDP was used to measure router throughput and latency; Python + shell was used for automated analysis.

## Technical & Professional Skills

**Cloud:** AWS, Azure, GCP

**DevOps:** CI/CD, Git, GitHub Actions, Jenkins

**Containers:** Docker, Kubernetes

**IaC:** Terraform

**Security:** Cloud Security, IAM/RBAC, Encryption, GDPR

**Data:** ETL, Data Warehousing, SQL/NoSQL

**Programming:** Python, Java, Node.js, C/C++, Bash

**Tools:** Linux, CLI, JSON, YAML

**Soft Skills:** Communication, Teamwork, Collaboration, Problem-solving, Leadership