SHUBHAM ASGAONKAR

WORKING STUDENT — CLOUD, DEVOPS & AI INFRASTRUCTURE



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Education

10/2026 – Present

Master of Engineering (M.Eng.) in Software Engineering for Industrial Applications
Hof University of Applied Sciences, Hof, Germany

04/2021 – 05/2024

Bachelor of Science (B.Sc.) in Computer Science — Cloud Technology & Information Security
Nagindas Khandwala College, University of Mumbai, India
- CGPA: 9.68/10 (Indian grading scale; 10 is the highest grade).
- Indicative German-grade estimate: approx. 1.2*.

Work Experience

12/2025 – 09/2026

Cloud Engineer
ONETURE TECHNOLOGIES | Mumbai, India
- Developed Python APIs and reusable MCP servers for GenAI/LLM workflows, including document-to-Markdown conversion.
- Contributed to Microsoft Agent Framework development and implemented end-to-end Grafana monitoring for its workloads.
- Deployed MCP servers and backend services on Azure Kubernetes Service (AKS), supporting high availability and environment segregation.
- Automated Azure DevOps CI/CD pipelines with security and code-quality checks; managed DEV, SIT and UAT environments and centralized container logs with Splunk.

12/2024 – 11/2025

Associate Cloud Engineer
ONETURE TECHNOLOGIES | Mumbai, India
- Improved AWS security posture from approximately 20% to over 85% through native controls, account-level guardrails and centralized monitoring.
- Strengthened network isolation by migrating workloads to private subnets and applying least-privilege access.
- Deployed three-tier React, Node.js and MongoDB applications on Amazon EKS; automated releases using Docker and GitLab CI/CD with SonarCloud, Trivy and OWASP ZAP.
- Reduced ML inference costs by approximately 80% by migrating from SageMaker to containerized model serving on EKS with autoscaled GPU nodes; monitored performance using Prometheus, Grafana and CloudWatch.

09/2024 – 11/2024

Junior Cloud Engineer Intern
ONETURE TECHNOLOGIES | Mumbai, India
- Optimized AWS infrastructure for cost efficiency and operational security.
- Prepared solution architecture diagrams and operational documentation; containerized internal ML and GenAI initiatives using Docker multi-stage builds.

TECHNICAL SKILLS

Cloud: AWS (EKS, EC2, S3, RDS, CloudWatch), Azure (AKS, Azure DevOps)
DevOps & DevSecOps: Docker, Kubernetes, Helm, GitLab CI/CD, Jenkins, SonarQube, Trivy, OWASP ZAP
MLOps & LLMOps: Python, FastAPI, FastMCP, MCP servers, GPU-accelerated inference, GPU resource optimization
Monitoring & Systems: Prometheus, Grafana, Splunk, Linux, Bash, Git, PostgreSQL, Nginx

CERTIFICATIONS

11/2024

AWS Certified Solutions Architect – Associate
Amazon Web Services

06/2023

Microsoft Certified: Azure Fundamentals
Microsoft

LANGUAGES

- Marathi: Native
- Hindi: Native
- English: Fluent
- German: A1, currently learning

HOBBIES & INTERESTS

- Watching films
- Playing strategy games

Hof, 18 October 2026