

MOHAMMED SHOAIB I. MAKANDAR

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Skills

Programming: C | Java | Python

Cloud Platforms & Infrastructure: Amazon Web Services(AWS), Microsoft Azure, Terraform.

DevOps & Automation: Docker, Kubernetes, Jenkins, Git, GitHub, GitHub Actions, CI/CD pipelines, Infrastructure as Code (IaC), Configuration Management, Automation Scripting.

Monitoring & Logging: Prometheus, Grafana

Databases: DBMS, Relational Databases, **SQL**, MongoDB, Oracle

OS: Linux/Unix

Software Engineering Concepts: Object-Oriented Programming (OOP), Agile & Scrum Methodologies, Microservices.

Management: Operational Strategy, Strategic Thinking, Change Management, Time Management, Decision Making, Problem Solving, Effective Communication, Leadership, Client Communication, Stakeholder Coordination.

Work Experience

Junior Cloud Engineer Intern | Eyesec Cybersecurity Solutions Pvt. Ltd

Mar'23 - Jun'23

- Architected and implemented a scalable cloud-based SaaS solution on AWS for a Farm House Goods client, analyzing 50+ use cases to optimize the architecture, resulting in a 40% revenue increase in Q1 and a 6.33% sales boost over six months.
- Configured and monitored AWS services, including EC2, ECS, S3, and load balancers to ensure high availability, performance, and cost-efficiency of SaaS applications.

Internship | Bharat Sanchar Nigam Limited (BSNL)

Sep'22 - Oct'22

- Supported network infrastructure management by working with routers, switches, and FTTH systems, ensuring a reliable networking backbone and enhancing system stability.
- Assisted in CRM implementation to automate sales workflows, reducing administrative workload by 10% and improving operational efficiency by 5% through better sales team focus.

Selected Projects

City Wellness – Smart Reporting and Monitoring System | [GitHub](#)

Jan'25 - Jun'25

- Developed a full-stack AI-powered waste management platform with TensorFlow (92% accurate CNN classifier), Flask, Node.js, and MongoDB—enabling real-time reporting via voice, image, and GPS, expected to increase citizen participation by 70% and reduce overflow incidents by 55%.
- Implemented a role-based admin dashboard with Firebase Auth, automated routing using historical data, and integrated complaint / feedback modules—boosting report handling efficiency by 65%, optimizing route planning by 40%, and eliminating 60% of manual monitoring.
- Architected a cloud-native deployment model using AWS (EC2, ASG, ELB, Route 53, CloudFront) with CI/CD pipelines, reducing deployment effort by 80%, increasing uptime to 99.95%, and cutting global content latency by 45%.
- Optimized platform scalability via Dockerized microservices and auto-scaling policies, reducing DevOps overhead by 50%, ensuring zero-downtime rollouts, and enhancing end-user reporting speed by 35%.

DevSecOps Pipeline for Netflix Clone Deployment on Kubernetes

Dec'24

- Automated CI/CD pipeline using Jenkins, integrating Trivy and SonarQube for security scans, and standardized Docker image builds with Docker Hub—resulting in 60% faster deployments and 20% reduced AWS operating costs.
- Deployed containerized services to AWS EKS with Helm and ArgoCD (99.9% uptime), implemented Prometheus-Grafana monitoring to cut incident response time by 50%, and improved failure visibility by 30% via SMTP alerting

Education

Rani Channamma University, Karnataka

Pursuing

- Bachelor's Degree | Computer Applications | CGPA: **8.37/10**

Jain Polytechnic, Belgavi | Department of Technical Education, Karnataka

2020 - 2023

- Diploma in Computer Science and Engineering [**Cloud Computing**] | CGPA: **9.52/10** | **Among Top 1% students in Karnataka**

Certifications

Diploma in Office Automation | [Oracle Cloud Success Navigator Essentials](#) | [Oracle Cloud CX Certified Foundations Associate](#) | [Oracle Cloud ERP Foundations Certified Associate](#) | [Oracle Cloud HCM Certified Foundations Associate](#) | [Oracle Cloud SCM Certified Foundations Associate](#)

Positions of Responsibility

Placement Coordinator Organized company drives, peer resume reviews, and mock interviews. | **Event Organizer** Managed technical and cultural events with smooth logistics and high participation. | **Cybersecurity Workshop Volunteer** Supported Secuneus Tech in hands-on sessions for 100+ students.