

# MOHAMMED SHOAIB I. MAKANDAR

+91- 8660753502 | Email: [md.shoaib.i.makandar@gmail.com](mailto:md.shoaib.i.makandar@gmail.com) | [GitHub](#) | [LinkedIn](#) | [Portfolio](#) | Belgavi, Karnataka | Open to relocate

## Career Objective

As a DevOps and Cloud-focused undergraduate with hands-on experience in AWS, Kubernetes, Docker, Terraform, and CI/CD pipelines through internships, academic, and personal projects. Seeking DevOps or Cloud internships and entry-level roles to build reliable and secure cloud systems using automation, monitoring, and backend scripting with Python, Java, and Cloud Tools & Technologies.

## Educations

### Rani Channamma University, Karnataka

Pursuing

- Bachelor's Degree in 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

## Work Experience

### Junior Cloud Engineer Intern | Eyesec Cybersecurity Solutions Pvt. Ltd

Mar'23 - Jun'23

- Assisted in architecting and implementing 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.

### Intern | 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 AI-Powered Waste Reporting System | Full Stack, ML, AWS, GitHub Actions

[GitHub](#)

Published a research paper on the IEEE

- 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 waste incidents by 55% as citizens quickly address the area of waste dumped.
- Implemented a role-based admin dashboard with Firebase Auth, automated routing using historical data, and integrated a complaint/feedback module, boosting report handling efficiency by 65%, optimizing route planning by 40%, and eliminating 60% of manual monitoring as AI determines the waste category and allocates the severity(High, Mid, Low).
- Architected a cloud-native deployment model using AWS (EC2, ASG, ELB, Route 53) with CI/CD pipelines, reducing deployment effort by 80%, increasing uptime to 99.95%.
- 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%.

### Netflix - DevSecOps | Docker, Kubernetes, Grafana, Prometheus, Jenkins, AWS.

- 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.

## Skills

**Programming:** C, Java, Python.

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

**DevOps & Automation:** Docker, Kubernetes, Git, GitHub, CI/CD pipelines, GitHub Actions, Jenkins, Microservices.

**Monitoring & Logging:** Prometheus, Grafana

**Databases:** MySQL, MongoDB, Oracle

**OS, Servers & Networking:** Linux/Unix, MacOS, Windows, Nginx, Apache, OSI, TCP/IP, DNS, VPC

**Software Engineering Concepts:** Agile & Scrum Methodology.

**Management:** Effective Communication, Leadership, Client Communication.

## **Related Course Works**

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[ Software Engineering Principles and Practices, Object-Oriented Programming, Data Structure and Algorithms, Operating System and Administration, Computer Networks, Advanced Java, DBMS, Cloud Computing ]

## **Certifications**

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[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 Responsibilities**

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**Teaching Assistant:** Delivered lectures on multiple academic courses and helped students clear academic doubts.

**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 150+ students.