

# Mohammed Shoaib. Makandar

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## Experience

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

March 2023 – June 2023

- Problem: The company required a scalable and efficient cloud infrastructure to support SaaS applications while optimizing online sales for a client in the Farm House Goods sector.
- Action: Managed and configured AWS services, including EC2 (VMs), storage solutions, ECS (containers), and Load Balancers for SaaS applications. Conducted an in-depth analysis of various use cases and designed a customized cloud-based blueprint for improving online sales.
- Result: Successfully deployed the optimized SaaS infrastructure, leading to a **6.33%** increase in sales within the first six months of implementation.
- Conducted in-depth analysis of 50+ use cases and crafted a comprehensive cloud-based SaaS application plan; successfully transformed the online sales of Farm House Goods, driving a 40% boost in revenue within the initial quarter.

### Trainee | BSNL | Belgavi

September 2022 – October 2022

- Problem: BSNL needed improved efficiency in sales operations while ensuring robust networking infrastructure management.
- Action: Completed comprehensive training in Computer Networks, focusing on critical components like switches, routers, and FTTH (Fibre To The Home). Additionally, contributed to Networking Server management. Enforced a CRM system to streamline sales operations and reduce administrative workload.
- Result: Achieved a **10%** reduction in administrative tasks, allowing the sales team to prioritize high-value opportunities, which led to a 5% increase in overall sales efficiency.

## Projects

### DevSecOps Pipeline for Netflix Clone Deployment on Kubernetes

- Designed and executed a CI/CD pipeline using Jenkins, reducing deployment time by 60% through automation.
- Integrated security tools like **SonarQube** and **Trivy** for vulnerability scanning, improving code quality and reducing security risks by 40%.
- Deployed containerized applications over AWS Elastic Kubernetes Service (**EKS**) using **Helm** and **ArgoCD**, ensuring **99.9% uptime**.
- Built real-time monitoring with Prometheus and Grafana, reducing incident response time by 50%.
- Automated Docker image builds and pushed to **Docker Hub**, improving deployment consistency and security.
- Configured **SMTP**-based notifications for pipeline failures, improving failure detection and resolution by 30%.
- Optimized cloud infrastructure on AWS, reducing operational costs by 20% through efficient resource allocation.

### Automated Face Recognition System Deployment using AWS Rekognition

- Problem: Traditional face recognition systems required high computational power and lacked scalability in cloud-based environments.
- Action: Designed and deployed an AWS Rekognition-based Face Recognition System, integrating S3, Lambda, DynamoDB, and IAM roles for secure and efficient processing. Engineered a high-accuracy machine learning model, ensuring seamless image identification and real-time analysis. Implemented a scalable architecture with data enrichment for continuous improvement.
- Result: Improved image recognition accuracy by 15%, reduced processing time by 30%, and ensured 99.9% system uptime through efficient cloud infrastructure.

### Dockerizing and Deploying '2048' Game on AWS with Elastic Beanstalk

- Problem: Deployment of web-based applications often faced compatibility issues and manual configuration complexities across different environments.
- Action: Dockerized the '2048' game and deployed it on AWS Elastic Beanstalk, creating a lightweight, scalable containerized solution. Configured Docker images, automated provisioning, and streamlined application hosting to ensure seamless deployment.
- Result: Achieved 40% faster deployment times, reduced server provisioning efforts by 50%, and enhanced system reliability with 99.8% uptime, demonstrating expertise in Docker, AWS deployment, and DevOps methodologies.

## Technical Skills

Programming Languages: Java, Python, C

Cloud & Infrastructure: AWS (EC2, S3, Lambda, Rekognition, Elastic Beanstalk, DynamoDB, IAM), Azure, Terraform

DevOps & Automation: Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD, Configuration Management, Automation

Monitoring & Logging: Grafana, Prometheus

Networking & Security: Computer Networks, Load Balancing, IAM Roles, Networking Server Management

Software Development Concepts: Object-Oriented Programming (OOP), Agile & Scrum Methodologies, SaaS Architecture

Operating Systems: Linux/Unix, Windows, MacOS

### Management & Leadership Skills

Operational Strategy, Strategic Thinking, Innovation & Creativity, Change Management, Delegation, Time Management, Decision Making, Problem Solving, Coaching &

Mentoring, Effective Communication, Leadership

## Education

Bachelor of **Computer Application** | Rani Channamma University, Karnataka

Diploma in **Computer Science and Engineering** | CGPA: **9.52/10** | Jain Polytechnic, Karnataka

## Certifications

- Diploma in Office Automation.

## Volunteer and Leader Experience

Placement Co-ordinator

College Event Organizer | Volunteer | Jain Polytechnic