

# MOHAMED DALKHA M

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## EDUCATION

### Bachelor of Engineering in Computer Science

Mailam Engineering College, Mailam, villupuram

June 2023

CGPA: 8.11

### Higher Secondary Certificate

Monfort Matric HSS, Tindivanam, villupuram

March 2019

Percentage: 71.2%

### Secondary School Leaving Certificate

Monfort Matric HSS, Tindivanam, villupuram

March 2017

Percentage: 85.6%

## CERTIFICATIONS

- AWS Academy Cloud Foundations

## EXPERIENCE

### Quality Analyst and Deployment Engineer

Aziwa Infosystem Pvt Ltd

Nov 2023 – Present

Chennai, Tamil Nadu

#### Testing Responsibilities

- Gained hands-on experience in writing, reviewing, and executing test cases, contributing to the overall testing process.
- Executed manual and API testing, ensuring software quality across functional, system, and performance aspects.
- Monitored server logs and promptly reported errors to system administrators and developers, provided technical support to customers via live chat (Intercom), and maintained accurate payment records and transaction logs.
- Skilled in writing and optimizing MySQL queries to validate data integrity and support database testing.

#### Deployment Responsibilities

- Managed end-to-end deployments by configuring Azure VMs, virtual networks, SSH access, and backend pools in Azure Application Gateway to ensure seamless updates and high availability.
- Set up Azure DevBox for interns, and collaborated with teams to ensure seamless operations.
- Managed team workflows in Azure Board, created and assigned tasks, tracked progress, and maintained accurate transaction logs and payment records.

## PROJECTS

### Real-Time URL Monitoring - Alerting System

Python, AWS Lambda, DynamoDB, Flask, GitHub Actions, HTML/CSS/JS, API Gateway, Serverless Framework

- Built a serverless URL monitoring system using AWS Lambda + EventBridge to check uptime every 5 minutes and trigger Twilio call alerts on failure.
- Developed a Flask API deployed via AWS Lambda + API Gateway to fetch and expose downtime logs from DynamoDB.
- Created a frontend dashboard with HTML, CSS, JS, displaying downtime logs, hosted on GitHub Pages with a domain.
- Deployments with GitHub Actions and Serverless Framework, enabling CI/CD and scaling via AWS.

### Product Sales Data Analysis

Power BI, Excel

- Analyzed product sales data to uncover trends, patterns, and insights to support strategic business decisions.
- Interactive dashboards in Power BI to visualize sales performance, forecast demand, and optimize inventory.
- Identified customer behavior and preferences to help the company implement targeted marketing strategies.
- Enabled data-driven decision-making across departments, contributing to improved operations and increased profitability.

## SKILLS & TECHNOLOGIES

- Testing:** Manual Testing, API Testing, Test Case Design, Bug Reporting, Regression Testing
- Cloud Platforms:** Microsoft Azure, AWS, Google Cloud Platform
- Databases:** MySQL, DynamoDB
- Scripting Languages:** Python, Bash
- CI/CD Tools:** Jenkins, GitHub Actions
- Containerization:** Docker
- Operating Systems:** Windows, Linux
- Other Tools:** Postman API, GitHub, WinSCP, Putty, MS Office, Azure Board, Jira

## ACHIEVEMENTS

- Automated deployment workflows with Serverless Framework and GitHub Actions.