

# Fathima Reem

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## SUMMARY

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Cloud Computing postgraduate with hands-on experience building AWS based automation using Python, EC2, S3, SNS, and Terraform. Built and deployed backup and notification systems, automated workflows, and basic CI/CD pipelines. Actively seeking a junior Cloud/DevOps role.

## EDUCATION

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### M.Sc. Computer Science in Cloud Computing & DevOps - 2025

Yenepoya Deemed to be University - Bengaluru, Karnataka

Relevant coursework: Cloud Architecture, DevOps Practices, AWS Services, Distributed Systems

### B.Com in Computer Application - 2023

Sir Syed Institute for Technical Studies - Kannur, Kerala

## EXPERIENCE

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### Project based Internship - IBM

May-July 2025

- Built an automated daily backup system for AWS S3 using Python and Boto3, eliminating manual backup tasks
- Scheduled backup jobs on EC2 using cron, ensuring consistent execution with zero manual intervention consistency
- Integrated AWS SNS to send real-time email alerts for backup success and failure
- Worked with IAM roles and policies to securely manage AWS resource access

## PROJECTS

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### Email Notifier System (SES + Flask)

December 2024

- Set up AWS SES for sending automated emails, ensuring reliable delivery during testing
- Built a Flask app that triggered SES-based alert for multiple recipients
- Reduced manual effort by fully automating email sending through the application

### Budget Tracker

August 2024

fathimareem.github.io/budget-tracker/

- Developed a Budget Tracker Web App using HTML, CSS, and JavaScript
- Added features for adding, editing, and deleting budgets/expenses with real-time updates
- Used local storage to save data and Canvas API for expense charts

## SKILLS

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### Cloud Platforms:

AWS, Azure(basics), Google Cloud(basics)

### AWS Services:

EC2, S3, Lambda, VPC, EBS, CloudWatch

### Infrastructure:

Basic Terraform and AWS CloudFormation

### Programming & Scripting:

Python, SQL, HTML

### Monitoring & Automation:

CloudWatch, SNS, Cron Jobs

### Operating Systems:

Windows, Linux

### Languages:

English, Malayalam, Hindi