

# ROBIN M P

## CLOUD ENGINEER

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### SUMMARY

Experienced MCA graduate and cloud enthusiast with a strong foundation in DevOps and machine learning. Skilled in building CI/CD pipelines, automating infrastructure with Docker and Jenkins, and deploying applications on AWS. Passionate about leveraging Python and modern tools to solve complex technical challenges.

### TECHNICAL SKILLS

Cloud & DevOps: AWS, Docker, Jenkins, GitHub Actions, CI/CD, Infrastructure as Code (IaC)

Programming Languages: Python, Java, Bash

Tools & Platforms: Git, GitHub, VS Code, Ubuntu, FireBase

### PROJECTS

#### Serverless Image processing

- Developed a serverless image processing pipeline on AWS using Lambda and S3.
- Utilized Python to create event-driven functions that automatically resize and optimize images.

#### Zomato Clone with DevOps

- Containerized an application with Docker and automated deployments using GitHub Actions & Jenkins.
- Hosted the application on an AWS EC2 instance with a fully integrated CI/CD pipeline.

#### Automated Retinal Disease Detection and Classification Using Deep Learning

- Developed a deep learning system for diagnosing multiple retinal diseases with 92.37% accuracy.
- Used an API system with Gemini 1.5 as the backend model to get more accurate results than a random dataset.

#### Real-time Face Attribute Detection

- Created a real-time interface for detecting **Emotion**, **Gender**, **Age**, and **Race** using CNN and VGG models.

#### Phishing URL Analysis

- Built a phishing detection system using machine learning and analytics on URL patterns.

### EDUCATION

#### MCA – Master of Computer Applications

- Bangalore Institute of Technology | 2025
- Major Project: Automated Retinal Disease Detection and Classification Using AI

#### BCA – Bachelor of Computer Applications

- S.R. Nagappa Shetty Memorial National College of Applied Sciences, Shivamogga | 2023
- Major Project: Real-time Face Attribute Detection

### ADDITIONAL INFORMATION

- **Languages:** English, Kannada, Malayalam
- **Certifications:** AWS Certified Cloud Practitioner (in progress)
- **Publication:** <https://ijsrem.com/download/automated-retinal-disease-detection-and-classification-using-ai/>