

# GOKUL V D

+91 9502503474 | [gokulvd2001@gmail.com](mailto:gokulvd2001@gmail.com) | Chennai

## Professional Overview

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As an enthusiastic and detail-oriented fresher in the field of cloud computing, I am eager to leverage my knowledge of Amazon Web Services (AWS) to contribute to innovative cloud solutions. I have a solid understanding of core AWS services, including EC2, S3, Lambda, VPC, IAM and RDS, and am actively pursuing hands-on experience through projects and certifications. My ability to quickly adapt to new technologies, combined with strong problem-solving skills, enables me to contribute to the efficient deployment and management of cloud-based applications.

## Projects

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### Static website hosting on S3 & dynamic website hosting on EC2 instances

**Tools Used:** Amazon S3, EC2 Instance, IAM, HTML, CSS, Python

- Hosted a static website on Amazon S3, configuring bucket policy, static website settings, and public access for seamless front-end delivery.
- Deployed a dynamic web application on Amazon EC2 by configuring a Linux server, setting up the runtime environment, and handling backend processing.
- Connected the S3 static frontend with the EC2-hosted backend via API calls, enabling full-stack functionality using cloud-native services.
- Configured security groups, SSH key-based access, and IAM roles/policies for secure and efficient resource management.
- Used AWS CLI and EC2 user data scripts for automated provisioning and setup of the EC2 environment.
- Ensured high availability and access control through bucket policies, EC2 firewalls, and monitoring with basic CloudWatch.
- Demonstrated practical skills in IaaS (EC2) and object storage (S3) for scalable and cost-effective website deployment.

### Secure QR Scan-Enabled Medication Vending Machine

- This Secure QR Scan- Enabler focuses on developing a smart medication vending machine that uses QR code scanning for secure access and dispensing of prescribed medicines. After a patient receives a digital prescription, a unique QR code is generated. The machine scans the QR, verifies the patient's details, and automatically dispenses the correct medication and dosage.
- It aims to reduce manual errors, prevent unauthorized access, and streamline medicine distribution, particularly useful in hospitals, pharmacies, and remote healthcare centre's.
- Ensures only authorized users can access prescribed medications
- Prevents overdose or misuse through single-scan access logic.

## Internship

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### Server Administration: Linux and AWS Basics

- To Provide basic knowledge about server administration in Linux, AWS, Linux administration covers backups, file restores, disaster recovery, new system builds, hardware maintenance, automation, user maintenance, application installation and configuration, system security management and storage management.

### Technical Skills

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- **Cloud Systems:** Amazon Web Services, EC2, VPC, RDS
- **Database:** SQL
- **Operation Systems:** Windows, Linux

### Soft Skills

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- Multi-Tasking
- Problem-Solving
- Adaptability
- Time Management

### Education

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Velammal Engineering College	Chennai
Bachelor of Engineering   CGPA: <b>8.29</b>	2020 - 2024
Sri Sai Jyothi Junior College	Nagari
12th   Percentage: <b>75%</b>	2018 - 2020
Sri Saraswathi Vignana Mandir	Nagari
10th   Percentage: <b>90%</b>	2018

### Certifications

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- AWS Engineer certification by Pumo Technovation
- Attended a Workshop Industrial 4.0 at Velammal Engineering College
- Certification on RACES'24 held at Velammal Engineering College

### Declaration

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I hereby declare that the information provided above is true and correct to the best of my knowledge

Date: 30-08-2025

Signature: **Gokul V D**