

RUBINRAJ M

☎ (+91)7010692978

✉ rubinrajrubinraj7@gmail.com

in <https://www.linkedin.com/in/rubin-raj-web/>

🐙 <https://github.com/Rubinraj08>

Education

SSLC Sri Vivekanada matric higher secondary School	(2018-2019) 86%
HSC Sri Vivekanada matric higher secondary School	87%
B.E – Computer Science and Engineering Karpagam Institute of Technology, Coimbatore	(2022-Present) CGPA 7.23

Certifications

Data Structures in Java Programming Nptel Great Learning <ul style="list-style-type: none">• Topics includes Basic java syntax, Data Structure, Java collection framework and Basic oops concept• Proficient in Logical Thinking and Programming in Java.	(Nov 2024)
AWS Academy Graduate - AWS Academy Cloud Foundations <ul style="list-style-type: none">• Introduces AWS global infrastructure, networking, storage, and computing services.	(Oct 2024)
AWS Cloud Practitioner Essentials <ul style="list-style-type: none">• Covers AWS core services, pricing models, security, and cloud computing fundamentals.	(Feb 2025)
AWS Certified Cloud Practitioner <i>Amazon Web Services (AWS) — Earned [04, 2025]</i> Exam Code: CLF-C02	

Projects

Slide control using hand gesture:

- ❑ The system uses OpenCV and AI tools to detect hand gestures in real-time for controlling presentations. It recognizes predefined movements like swipes, holds, and pointing.
- ❑ Gestures enable users to move slides forward, backward, or pause without physical input. This improves interactivity and enhances user experience.
- ❑ Users can draw, annotate, or highlight on a virtual canvas using hand gestures. This is ideal for live teaching, brainstorming, or design activities.
- ❑ The project combines OpenCV for computer vision and AI frameworks like TensorFlow for gesture recognition. It demonstrates efficient touch-free human-computer interaction.

A Serverless E-commerce website:

Built a lightweight e-commerce platform using AWS (Lambda, API Gateway, DynamoDB) to handle product listings, shopping cart, and order processing.

- ❑ **Scalable & Serverless Architecture** – Designed and deployed a fully serverless solution with API Gateway-powered Lambda functions for product management and order storage.
- ❑ **Frontend & Hosting** – Developed a simple HTML/JavaScript frontend and hosted it on AWS S3, enabling dynamic product fetching and seamless checkout.

2048 Game Deployment on AWS (EKS + ALB + Ingress):

Deployed the classic 2048 game using AWS Elastic Kubernetes Service (EKS), ensuring scalability and load distribution with an Application Load Balancer (ALB).

- **Kubernetes-Orchestrated Architecture** – Managed pods and services using EKS, enabling containerized deployment and high availability.
- **Ingress-Enabled Access** – Configured Ingress and Ingress Controller for efficient routing and public accessibility of the application.
- **AWS Infrastructure Setup** – Provisioned secure and scalable EC2-backed EKS cluster with proper IAM roles and policies.

Smart Receipt Scanner – Serverless OCR Pipeline:

Built a serverless OCR solution using AWS to automatically extract and email receipt data.

- **Automated Document Processing** – Uploaded receipts to S3 triggered Lambda functions that used Textract to extract text.
 - **Email Notification System** – Integrated Amazon SES to send extracted data directly via email.
 - **Fully Serverless Architecture** – Implemented using AWS Lambda, Textract, SES, and S3 for scalability and low cost.
 - **Infrastructure as Code** – Provisioned and managed the entire stack using Terraform.
-

QR Code Generator – Flask Web App with Docker:

Developed a lightweight web application to generate QR codes from user input using Flask and Python.

- **QR Code Generation** – Used the qrcode Python library to dynamically generate QR PNGs from text.
- **Web Interface** – Built a simple, responsive UI to input text and instantly receive a downloadable QR code.
- **Dockerized Deployment** – Containerized the entire application with Docker for consistent local and cloud deployment.

Contributions:

organised a college department symposium event “mind maze”

Presented about “medBot” in ideathon

Technical Skills

- Programming | Java, Python
- Cloud services| AWS
- Github

Soft Skills

Leadership
Teamwork
Critical Thinking

