Vijay Sankar M

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Summary

A motivated Computer Science Engineering student with a strong interest in cloud computing and AWS. Eager to leverage my technical skills and passion for cloud technologies to contribute to innovative projects, enhance scalability, and drive efficient solutions in a dynamic environment. Seeking opportunities to grow and excel in the cloud domain.

External links

GitHub _ **Portfolio** _ **Leetcode** _ **Linkedin** _ **YouTube**

Projects

Face Recognition Attendance System Using AWS :

Developed a *serverless face recognition attendance system* using *AWS Free Tier services*, enabling employees to scan their faces via a web-based interface, with *Amazon Rekognition* verifying attendance. The system includes an *admin dashboard* for employee registration and attendance tracking, with records stored in *Amazon DynamoDB*. The frontend is hosted on *Amazon S3 & CloudFront*, while *AWS Lambda and API Gateway* handle backend processing. Key technologies include *JavaScript (Webcam integration), S3, CloudFront, Rekognition, API Gateway, and DynamoDB*, ensuring a scalable, secure, and efficient solution that eliminates manual attendance tracking through automated facial recognition.

URL Shortener with Click Analytics :

Developed a *serverless URL shortener* using *AWS Free Tier services*, leveraging *API Gateway, AWS Lambda, DynamoDB, and S3*. Implemented *short link redirection* with *real-time click analytics*, capturing *user IP, timestamp, and user-agent data*. Optimized analytics by *filtering out bot and non-browser traffic* (e.g., WhatsApp, Telegram) to ensure accurate browser-based tracking. Designed a *secure and scalable architecture*, enforced *CORS policies*, and ensured smooth *frontend-backend integration*.

Job Portal using AWS :

Developed a fully serverless job portal leveraging AWS services. Hosted the frontend on *S3 with CloudFront* for secure and fast content delivery. Implemented a backend using *Lambda functions* and *API Gateway* to handle job listing operations. Utilized *DynamoDB* for efficient, scalable job data storage. Enabled dynamic job postings and retrieval, allowing users to view and add job listings in real-time. Designed the solution to be cost-effective, highly available, and scalable without managing servers.

Click to view JOB PORTAL

E-Commerce Website :

Developed a fully serverless e-commerce platform leveraging AWS Free Tier services. The frontend is hosted on *Amazon S3 with CloudFront* for scalability and performance. The backend is powered by *API Gateway, AWS Lambda, and DynamoDB*, ensuring a cost-effective and efficient architecture. Implemented an *admin panel* for managing products, while customers can browse products, add items to their cart, and place orders. Designed the system to be easily extendable for future enhancements like authentication and payment integration.

Client Page _____ *Admin Page*

Student Teacher Performance Prediction Model

Carbon Footprint Web Application for Indian Coal Mines

Skills

Cloud – AWS Cloud Services

Programming Languages – Python , Java

Web Development – Html , Css , Java Script

Database – MySql

UI & UX – Canva , Figma , Photoshop

Certificates

AWS Cloud Foundations, Cloud Practitioner Essentials, Oracle Cloud Infrastructure, HackerRank Java Basic, Introduction to MERN Stack, Figma Fundamentals

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Education

BE - Computer Science and Engineering
Karpagam Institute Of Technology, Coimbatore , Tamil Nadu
11/2026
CGPA : 7.3

HSC
Sri SRV Matric Hr Sec School, Attur , Salem.
05/2022
Score : 73.5%