KAVIYA PRIYA N

Associate Software Developer

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Summary

Seeking a responsible career where my abilities can be utilized in a growth oriented and professional environment.

Projects

AWS Resource Monitoring

Developed and deployed a robust system for AWS resource management using AWS CLI and Bash scripting. This system automates the retrieval and visualization of critical metadata for S3 buckets, EC2 instances, IAM users, and Lambda functions, significantly enhancing operational efficiency.

ERP Mini System for Cadbury Dairy Milk

Developed a full-stack ERP mini system tailored for Cadbury Dairy Milk operations using HTML, CSS, JavaScript, Node.js, Express.js, and SQL. Implemented modules for product management, inventory tracking, and order processing, with secure user authentication and role-based access control.

Face Recognition-Based Student Transport Security

Developed a real-time student transport security system using Python, OpenCV, MTCNN, FaceNet, and scikit-learn (KNN/SVM classifiers). The system detects faces from live camera feeds, preprocesses them, generates embeddings with FaceNet, and classifies students against a pre-registered database to ensure only authorized individuals board the bus, triggering alerts for unauthorized attempts.

Education

B.E(Hons) Computer Science and Design **2021 - 2025**
Kongu Engineering College *Perundurai* CGPA of 8.52

HSC **2020 - 2021**
Vivekananda Vidyalaya Matriculation Higher Secondary School *Tiruppur* Aggregate of 92.5%

SSLC **2018 - 2019**
Vivekananda Vidyalaya Matriculation Higher Secondary School *Tiruppur* Aggregate of 90.4%

Skills

Programming Languages: C, Java, Shell Scripting
Web Technologies: HTML, CSS, JavaScript, Node.js, Express.js
Frameworks & Tools: Linux Fundamentals, Figma, Balsamiq
Databases: SQL
Cloud & DevOps: AWS (S3, EC2, IAM, Lambda), Microsoft Azure
Development Tools: Git (Version Control), GitHub, Visual Studio Code

Certifications

Course AZ-900T00-A: Introduction to Microsoft Azure
Course AZ-2008-A: DevOps Foundations: The Core Principles and Practices
NPTEL – Ethical Hacking
NPTEL –Design & Implementation of Human-Computer Interfaces

Achievements

- Participated in Proof Of Concept (POC) for the project of identifying nutrient deficiency plants.
- Third prize for solving Rubik's cube which is an intra college event.

Publications

Real-Time Facial Recognition System for Secure College Bus Transport Using Deep Learning Techniques - IEEE