Ilamugil Balasubramaniam

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EDUCATION

Nandha College of Technology
BE IN COMPUTER SCIENCE AND ENG
June 2023 | Erode,TamilNadu,IND
CGPA: 8.17 / 10

Indu International School
Grade 12 in Computer Science
May 2019 | Erode,TamilNadu,IND
Percentage: 64

RD International School
Grade 10 in Science
April 2017|Erode,TamilNadu,IND
CGPA: 9.4 / 10

LINKS

Github:// **mugil0095**
LinkedIn:// **ilamugil-balasubramaniam**
LeetCode// **Mugil3004**
HackerRank:// **ilamugil400300**

COURSEWORK

Certification
• Salesforce Developer Virtual Internship
• Project on A Gesture-Based Tool for Sterile Browsing of Radiology Images
• Python Nano Degree Certification
• SQL Basic, Intermediate, Advance
• AWS Certifications
• Software Engineer Certificate

SKILLS

Programming Languages:
•Java • Python • HTML • CSS
• SQL • Javascript
Tools:
• Machine Learning • Mysql • Netbeans
•MS SQL Server • Jira • Eclipse •Github
• Visual Studio code •IDE •IntelliJ
Libraries:
•Keras •Tensorflow • OpenCV • Flask
•Numpy • Pandas •Pytorch
Familiar:
• AWS, GCP, Azure •DSA •SDLC •Agile
•OOPS •PHP •MongoDB •Docker
•ReactJS •NodeJS •AI •NLP •API
Other
•Problem Solving •Teamwork •Analytics

EXPERIENCE

SMARTINTERNZ - SALESFORCE | SALESFORCE DEVELOPER INTERN   AUG 2023 - OCT2023 | Erode,TamilNadu

- Designed and Executed **custom solutions using Apex, Visualforce, and Lightning Components.**Tailored Salesforce applications to specific business needs, **improving overall system efficiency**.

- Collaborated on **seamless integration** of Salesforce with other systems. Ensured cohesive workflow and enhanced system interoperability.

- Created and optimized **workflows, triggers, and validation rules**. Contributed significantly to the development and maintenance of efficient Salesforce applications.

PROJECTS

REALTIME DROWSINESS IDENTIFICATION BASED ON EYE STATE ANALYSIS   TECH: Python(ML), OpenCV, TensorFlow

- Curated diverse driver's eye image dataset; employed **OpenCV for feature extraction**including blink rate and eye closure duration.

- Implemented **TensorFlow-based algorithms** for real-time classification of eye states, achieving up to **89%** accuracy.

- Seamlessly integrated the system with existing **driver monitoring tech**, introducing **visual alerts and haptic feedback** for immediate intervention.

A GESTURE-BASED TOOL FOR STERILE BROWSING OF RADIOLOGY IMAGES   TECH: Python(ML), Keras, TensorFlow, Numpy

- Developed a cutting-edge web application using Flask to enable clinicians to **predict numbers through hand gestures for intuitive image browsing**.

- Enforced **machine learning algorithms in Python**, leveraging libraries like TensorFlow, to **dynamically display radiology images based on predicted numbers**and Achieving an accuracy of **86%** while Testing.

- Revolutionized the **clinician experience by offering a touchless interface, minimizing physical contact, and significantly enhancing efficiency and accuracy in radiology image analysis**.

BUS RESERVATION AND MANAGEMENT SYSTEM
TECH: Html, CSS, Javascript, PHP, Mysql

- Streamlined **administrative tasks** with features such as**user management**, enabling the addition of system users for **efficient system handling**.

- Facilitated **revenue tracking for administrators**, offering insights into total earnings and allowing for better financial management of the bus service.

- Implemented a comprehensive Bus Ticket Booking System in PHP and Mysql, enhancing the efficiency of bus operations.

PUBLICATIONS

[1] Real time drowsiness identification based on eye state analysis. *International Journal of Innovative Research in Computer and Communication Engineering*, 2023.