Akash R

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OBJECTIVE

Motivated IT graduate with a background in **full stack development** and **data science**, proficient in **Python** and **Java**. Seeking a software engineering position to apply technical skills and gain hands-on experience in software development.

EDUCATION

SASTRA DEEMED UNIVERSITY
B.TECH in Computer Science
Expected JUN 2025 | CGPA:8.16/10.0

JAWAHAR MATRIC SCHOOL
HSC Top scorer
Grad. May 2021 | Cum per:93.33
SSLC Top scorer
Grad. May 2019 | Cum per:92.8

LINKS

Portfolio:// **AkashR**
Github:// **AkashR0712**
LinkedIn:// **Akash R**
Leetcode:// **akashradhakrishnan**
Unstop:// **@akashrad2770**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Computer Networks
Object-Oriented Programming
Database Management Systems
Operating Systems
Machine Learning
Software Engineering

SKILLS

PROGRAMMING
•C | C++   •JAVA   •JAVASCRIPT
•PYTHON   •HTML   •CSS
•SQL   •MONGO DB

DEVELOPMENT
•BOOTSTRAP   •DJANGO
•REST API   •SOAP API
•NODE JS   •EXPRESS JS

TOOLS
•GIT | GITHUB   •POSTMAN
•VSCODE   •JUPYTER

LANGUAGES
•ENGLISH   •TAMIL

PROJECTS

FLAVORVAULT | GITHUB LINK
HTML | BOOTSTRAP | CSS | JAVASCRIPT | DJANGO | SQLITE | PYTHON

•FoodVault is a **food review posting site** developed in Django, where users can register, log in, and add reviews

•Features include the ability for users to like reviews, update their profiles, edit their own reviews, and delete them

•Users can also **search** for food items by name or **filter** them using categories. This makes it easy to find specific dishes or explore different types of cuisine

INTEGRATING DETECTION AND CLASSIFYING SKINLESIONS | GITHUB LINK
DEEP LEARNING | NLP | MACHINE LEARNING | DJANGO | JAVASCRIPT

•**Advanced Skin Lesion Detection and Classification System:** Developed using the HAM10000 dataset, employing U-net for segmentation and a deep convolutional neural network (DCNN) achieving 96.75

•**Innovative Techniques:** Applied adaptive median filter for denoising, utilized Particle Swarm Optimization (PSO) and K-Means for segmentation, and integrated a fine-tuned GPT-2 chatbot for dermatology QA, symptom extraction, and treatment suggestions

•**Comprehensive Integration:** Combined image classification and chatbot functionalities using the Django Web Framework, leveraging TF-IDF vectorizer and Naive Bayes classifier for symptom prediction

ACADEMIC-PERFORMANCE-TRACKER | GITHUB LINK
HTML | CSS | JAVASCRIPT | NODE JS | EXPRESS JS| MONGODB

•**Efficient Academic Performance Tracking:** The Result Management System allows students to view their grades and teachers to manage student records through a user-friendly interface, enhancing the efficiency of academic performance tracking.

•**Robust MVC Architecture:** Built with HTML, CSS, JavaScript, Node.js, and leveraging the MVC architecture, the system ensures maintainability and scalability while providing a clear separation of concerns between data, user interface, and control logic.

CERTIFICATES

•Frontend web Development-Udemy

•Introduction to API and WebServices-Udemy

•JavaScript python Programming -GUVI

ACHIEVEMENTS

•Gold Badge in Java - Hackerrank

•Gold Badge in Python - Hackerrank

•**Certified Participant in CodeClash 2024:** Recognized by IEEE TEMS, VIT-Vellore for active participation in CodeClash, a prestigious coding competition fostering innovation and problem-solving skills