

# 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

Github:// **AkashR0712**

LinkedIn:// **Akash R**

Leetcode:// **akashradhakrishnan**

Unstoppable:// **@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 •MONGODB

### DEVELOPMENT

•BOOTSTRAP •DJANGO

•REST API •SOAP API

### 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 SKIN LESIONS |

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

### THREADSTYLE-CLOTHING WEBSITE | GITHUB LINK

HTML | BOOTSTRAP | CSS | JAVASCRIPT | DJANGO | SQLITE | PYTHON

•**Dynamic Product Catalog and Shopping Cart Integration:** Developed a detailed and intuitive product catalog with images and categorization, and integrated a shopping cart system for easy addition, removal, and quantity updates of items.

•**Responsive Design and Efficient Management:** Leveraged Bootstrap for a responsive design across devices, created an admin panel using Django's built-in interface for seamless management of products, orders, and user accounts, and implemented an SQL database for efficient data storage and retrieval.

## 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