**RAJASHREE RADHAKRISHNAN**

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# OBJECTIVE

Aspiring Data analyst and AI enthusiast with hands-on project experience in OpenCV and practical applications of artificial intelligence. Eager to apply technical and analytical skills in the IT industry, focusing on growth, learning, and impactful problem-solving.

# EDUCATION

Bachelor of Computer Applications (BCA), Prist University, Vallam, Thanjavur — 2021–2024  
Percentage: 94.7%

Higher Secondary School (HSC), Govt. Girls Higher Secondary School, Orathanadu — 2019–2021  
Percentage: 87.93%

High School (SSLC), Govt. High School, Kannanthangudi — Passed: 2019  
Percentage: 84.8%

# TECHNICAL SKILLS

* Programming Basics: Python
* Artificial Intelligence: OpenCV, imutils, OS, NumPy (basic array knowledge)
* Web Development: HTML, CSS, JavaScript
* Database: SQL (create table, joins, primary/foreign keys)
* Version Control: Git (init, add, commit, branch, merge, push, pull, clone, status)
* GitHub
* Design & Editing: Logo design, Canva (Instagram posters), image/video editing
* Office Tools: MS Excel, Word, PowerPoint
* Soft Skills: Teamwork, Communication

# PROJECTS

**Gmail Privacy Analysis System**

Technologies: PHP, SQL  
A secure email system where both sender and receiver must use a shared secret code to access the message. This system enhances data privacy, prevents unauthorized access, and builds trust in corporate communication. Implemented encryption and access control measures to safeguard user data.

**Mini Chatbot**

Technologies: Python (IDLE)

Created a basic chatbot in Python that responds to user inputs like “Hi” or “How are you” with pre-defined replies. Introduced to chatbot development and control flow in Python.

**Object Motion Detection System**

Technologies: Python, OpenCV

Developed a system that detects motion in a live video feed by comparing consecutive frames. Applied grayscale conversion, Gaussian blur, thresholding, and contour detection for object tracking . Displays alerts like “Object Moving Detected” in real-time.

**Face Detection System**

Technologies: Python, OpenCV, Haar Cascade Algorithm

Implemented face detection using Haar Cascade Classifier. Detects human faces in static images, recorded videos, and live webcam streams.

**Color-Based Object Detection with Direction Feedback**

Technologies: Python, OpenCV, HSV Color Calibration

Tracked colored objects using HSV values. Program identifies the object’s movement direction (left, right, front, stop), based on its position relative to the camera. Simulates real-time navigation support (e.g., robotic movement guidance).

**Face Dataset Creation and Recognition**

Technologies: Python, OpenCV, Haar Cascade, Fisherface Algorithm

Created a face dataset using webcam input and Python’s OS module for directory structure. Detected faces using Haar Cascade and recognized individuals using Fisherface algorithm. Displays name of the recognized face from the dataset.

**Facial Emotion Recognition Using IP Webcam**

Technologies: Python, OpenCV, **facial\_emotion\_recognition , NumPy, urllib** (to fetch IP webcam stream), **imutils** (for resizing video frames)

Implemented a real-time facial emotion recognition system that combines two components: A facial emotion recognition model using deep learning.An IP webcam stream captured from a mobile phone using HTTP over Wi-Fi. Integrated both parts to enable **Emotion detection** from a smartphone camera feed streamed live to a Python application.

# EXPERIENCE

* Logo Designer Designed logos for digital branding and personal projects using tools like Canva . Focused on clean, minimal, and modern designs while exploring product creation platforms like Gumroad.
* Seatbelt Production Operator, Joyson Abishek Anand Safety System — 8 Months

# LANGUAGES

• Tamil (Native)  
• English (Proficient)

# PERSONAL INFORMATION

Father’s Name: Radhakrishnan. K

DOB: 25th September 2003

Gender: Female

Marital Status: Unmarried

Nationality: Indian

# DECLARATION

I hereby declare that the information provided is true to the best of my knowledge.

THANK YOU