

RAJASHREE RADHAKRISHNAN

AI Developer

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🔗 itsrajashree.github.io/My-Portfolio/ 🔗 linkedin.com/in/itsrajashree 🌐 github.com/itsrajashree

PROFESSIONAL SUMMARY

Aspiring AI Developer with expertise in Python, Machine Learning, Deep Learning, NLP, and Computer Vision. Experienced in building AI solutions using TensorFlow, Keras, OpenCV, and related libraries across 20+ projects. Seeking opportunities to apply innovative AI solutions and design-driven approaches while continuously advancing technical skills.

EDUCATION

Bachelor of Computer Applications (BCA), Computer Science, <i>Ponnaiyah Ramajayam Institute of Science & Technology</i> 94.7%	2021 – 2024 Thanjavur
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TECHNICAL SKILLS

Programming & Scripting Python, SQL, HTML, APIs	AI & ML Frameworks TensorFlow, Keras, OpenCV, Scikit-learn, SciPy, NumPy, Pandas, Matplotlib
Deep Learning Techniques CNN, Image Classification, Object Detection, OCR, Facial Recognition	Data Handling Data Cleaning, Data Augmentation
Tools & Platforms Google Colab, Kaggle, VS Code, Git & GitHub, Canva, Figma, Qt Designer	Soft Skills Problem Solving, Communication, Creativity, Adaptability, Team Collaboration

ACHIEVEMENTS

Completed 20+ AI and ML projects during my self-learning journey

Designed multiple professional flyers, invitations, and visual assets for freelance projects

Successfully developed AI models with GUI and real-time applications

PROJECTS

Image Classification using CNN
Built a CNN model in TensorFlow/Keras for classifying images into multiple categories. Implemented data augmentation and model evaluation using validation datasets. Achieved accurate predictions with JSON/H5 model saving.

Real-Time Object Recognition
Used OpenCV with pre-trained models for detecting objects in live webcam feed. Integrated bounding box visualization and real-time inference.

Diabetes Prediction using Deep Learning

Developed a deep neural network to predict diabetes likelihood from patient data.
Applied data preprocessing and feature scaling for improved model performance.

Facial Emotion Recognition via IP Webcam

Built a real-time emotion detection system using CNN and OpenCV.
Integrated IP camera feed for multi-device testing.

Character Recognition using CNN

Trained CNN models on custom datasets of digits (0–9) and Gujarati characters.
Designed GUI in Qt Designer, enabling image browsing and classification.

CERTIFICATIONS

Artificial Intelligence Project Completion

– NOVITECH Technology R&D

Canva Design Certification
(10+ completed designs)

AI One Week Challenge

– NOVITECH Technology R&D

Soft Skills & Resume Writing

– TCS ION Data Consultancy Services

Data Analytics Test (Data Cleaning)

– NOVITECH Technology R&D

Professional Experience

AI Intern – NOVITECH Technology R&D (Remote)

05/2025 – 08/2025

- Designed and developed AI applications including image classification, facial recognition, OCR, and gesture detection using Python, TensorFlow, Keras, and OpenCV.
- Built GUI-based AI solutions with Qt Designer, integrating model predictions into interactive desktop applications.

Creative Visual Designer (Remote)

- Conceptualized and executed flyers, invitations, and branding visuals using Canva and Figma, applying design styles such as Glassmorphism, Neo-Brutalism, and Minimalism.
- Delivered high-quality design solutions with attention to detail and timely completion.

Remote