

MADHAV R KRISHNAN

COMPUTER ENGINEERING GRADUATE

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ABOUT ME

Highly motivated and detail-oriented Computer Science graduate with a strong foundation in software development and core computer science concepts. Familiar with manual testing principles, test case preparation, and software testing life cycle, and have foundational knowledge of Selenium automation testing. Strong analytical skills with a keen interest in ensuring software quality and continuously learning new technologies.

PROJECT EXPERIENCE

EMOTION DETECTION OF INFANTS FROM THEIR FACIAL EXPRESSION AND CRIES USING MACHINE LEARNING

- Developed a machine learning system to detect infant emotions like hunger, discomfort, and belly pain using facial expression and cry audio analysis.
- Utilized Python with OpenCV for real-time computer vision and Librosa for audio signal processing and feature extraction.
- Trained and optimized deep learning models using TensorFlow to classify infant emotions accurately.
- Integrated backend with a mobile-friendly interface, enabling real-time emotion detection and insights for caregivers.

RESQ - AI POWERED INTERVIEW PREPARATION PLATFORM

- Developed a dynamic AI-powered web application completely using AI tools that analyze user resumes and generate personalized interview questions to enhance candidate evaluation.
- Integrated Google's Gemini AI for intelligent resume parsing and real-time question generation based on extracted skills and experience.
- Implemented speech-to-text functionality enabling users to provide verbal interview responses, improving interactivity, and engagement.

ACHIEVEMENTS AND CERTIFICATIONS

- Career Essential in Gen AI by Microsoft and LinkedIn
- Prompt Engineering | Infosys Springboard
- National Service Scheme Volunteership Certificate.

EDUCATION

BACHELOR OF TECHNOLOGY (B.TECH)

COLLEGE OF ENGINEERING,
ARANMULA

2021 - 2025
6.86 CGPA

12TH GRADE

ST JOHNS SCHOOL
2020 - 2021
PERCENTAGE: 80.2%

10TH GRADE

ST JOHNS SCHOOL
2018 - 2019
PERCENTAGE: 89.4%

SKILLS

- Java
- HTML
- CSS
- JavaScript
- MySQL
- STLC
- Agile Methodology
- Selenium
- Manual Testing
- Problem Solving
- Effective Communication

LANGUAGES

- English
- Hindi
- Malayalam