

# Mahadevan Nair M P

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## OBJECTIVE

Aspiring computer science graduate with hands-on experience in full-stack development and AI-integrated projects. Eager to apply technical skills in Python, Flask, and machine learning to contribute to innovative software solutions and grow as a developer in a dynamic organization.

## PROJECTS

### FLAVORFUSION: AI-POWERED RECIPE GENERATOR

- Designed and developed a web application that generates personalized recipes using the Gemini AI API based on user-input ingredients and preferences.
- Implemented user authentication, recipe saving, and search history tracking using Flask and MySQL.

### HAND GESTURE-BASED MUSIC SYSTEM

- Developed a system that interprets hand gestures using computer vision and triggers corresponding musical notes or commands in real-time.
- Utilized OpenCV and MediaPipe for hand tracking and gesture recognition with high accuracy.
- Integrated Python-based logic with MIDI/audio libraries to generate or control

### HEMOLINK: BLOOD BANK MANAGEMENT SYSTEM

- Developed a Flask-based web application to manage donor registrations, blood inventory, and admin functionalities.
- Implemented secure user authentication.
- Designed user-friendly HTML interfaces for donor search, editing, and admin control panels.

## EDUCATION

### RAJAGIRI COLLEGE OF SOCIAL SCIENCES (AUTONOMOUS)

MASTER OF COMPUTER APPLICATIONS

Kochi, Kerala

Ongoing

### IHRD CAS KADUTHURUTHY

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

May 2025 | Kottayam, Kerala

Percentage : 72.5

### ST PAUL'S ENGLISH MEDIUM HSS

HIGHER SECONDARY EDUCATION IN COMPUTER SCIENCE

May 2022 | Malappuram, Kerala

Percentage : 84

### BHAVAN'S VIDYASHRAM CHELAMBRA

HIGH SCHOOL

May 2020 | Malappuram, Kerala

Percentage : 74

## SKILLS

### PROGRAMMING

Python • C/C++

PHP • Java

HTML • CSS • Javascript

### TECHNOLOGIES

Python • Flask • MySQL • Gemini AI API

• HTML/CSS • xhtml2pdf

## COURSEWORK

### RELEVANT SUBJECTS

Web Technologies

Database Management Systems

Operating Systems

Computer Networks

Data Structures and Algorithms

Probability and Statistics

## CERTIFICATIONS &

## COURSES

Coursera: IBM Full-Stack JavaScript Developer (Ongoing)

Microsoft: Career Essentials in Software Development by Microsoft and LinkedIn (Completed)

## LINKS

LinkedIn:// Mahadevan Nair M P