

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