


Monisha J *Full Stack Developer*

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 <https://github.com/monishapmj>

Skills

Languages — C , C++ , Java , Python , SQL

Web — HTML, CSS, JavaScript, Node.js, Express.js, Web Scrapping

Database — MySQL, MongoDB, Oracle, BigQuery

Frameworks/Tools — MERN Stack, Git, REST APIs

Cloud — Google Cloud Platform

Management — Organiser for Multiple Department Cultural Events

Projects

Library Management System

Created using Node.js and Express.js to handle book inventory, lending records, and user management.

IoT Project – IR Signal Decoder:

Built using IR sensor and Arduino to capture and decode infrared signals.

NEC Faculty Module:

Developing a web module to manage and track faculty academic activities and research data.

Medicinal Plant Detection

Implemented a trained machine learning model to detect and classify medicinal plants based on image inputs.

Task Manager

Desktop application built with Python and Tkinter for task creation, tracking, and management.

Apple Clone Website

Designed a visually accurate replica of Apple's website using HTML, CSS, and JavaScript.

Web Scrapping using Python

Extracted and analyzed data from dynamic websites using libraries like BeautifulSoup and Selenium.

Education

Bachelors in Computer Science

National Engineering College(Anna University)

Interests

Drawing | Hand Crafting | Dance

Summary

- Proficient in C, C++, Java, Python, SQL, HTML, CSS and Java Script.
- Experience in MERN stack (MongoDB, Express.js, React.js, Node.js) for full-stack web development.
- Strong understanding of **object-oriented programming (OOP)**, **data structures**, and **algorithms**.
- Hands-on experience with **lists**, **tuples**, **sets**, **dictionaries**, and **file handling** in Python.
- Knowledge of SQL queries, DDL, DML, TCL, **normalization**, and **decomposition**.
- **Cloud Computing** knowledge, including **Virtualization** and **Cloud Storage** concepts.
- Passionate about **problem-solving**, **clean coding practices**, and **scalable application development**.

Awards

Debugging Runner

TechBlitz -Anna University

Computer Science Topper

NPTEL

Industrial IoT - Top 5%

NPTEL

Certificates

- Full Stack Web Development - Udemy
- Python Certification - Certiport
- Data Analysis Bootcamp - Revamp Academy
- Certified Backend Developer - IBM
- Cloud Computing - NPTEL
- Network addressing and Basic troubleshooting - Cisco
- IoT & Industrial IoT - NPTEL

Languages

English | Tamil