ARUMUGAM THUVARAKAN

0764199981 | thuvaat1999@gmail.com | GitHub | LinkedIn

SUMMARY

A passionate Information Technology student at the Institute of Technology, University of Moratuwa, with a strong foundation in backend development and data engineering using Python. Proficient in designing and implementing robust backend systems, APIs, and data pipelines. Actively seeking opportunities to apply my technical and problem-solving skills in dynamic, innovation-driven environments.

EDUCATION

Institute of Technology
University of Moratuwa,
Sri Lanka NDT. in IT,
2020 - 2025 (Expected)

J/Chavakachcheri Hindu College
G.C.E A/L 2019 2C S
G.C.E O/L 2015 3A 3B 2C S

TECHNICAL SKILLS

- Programming Languages: Python, JavaScript, Java, SQL
- Backend Frameworks: Flask, Node.js
- Databases: PostgreSQL, MySQL, MongoDB
- Tools and Technologies: Git, Docker, Figma
- Data Engineering: Data pipeline design, ETL processes, API integration
- Data Analysis: Pandas, NumPy, Jupyter Notebooks
- Soft Skills: Communication, Problem-solving, Team collaboration

SKILLS

- Management Skills
- Communication Skills
- Critical Thinking
- Meeting deadlines
- Team-work

REFERENCE

MS.Naduni Jayathilake
Department of Information Technology, ITUM
Phone : +94763396331
Email : nadunuj@itum.ac.lk

PROJECTS

- **Weather Prediction System**

  Developed a dynamic web application for weather prediction using HTML and Bootstrap for the frontend and Flask for the backend.

  The system provides real-time weather data, a 7-day forecast, and stores historical weather information in a database.

  Key features include a user-friendly interface, dropdown city selection, and data visualization using charts.

- **Student Management System - 2022**

  Developed a Progressive Web Application with **HTML, CSS, JavaScript** for the frontend, **PHP** backend, and **MySQL** database, featuring essential functionalities like login, register, and a user-friendly dashboard

- **Guard Room System -2023**

  Web Application using **HTML, CSS,** and **JavaScript** for the frontend, powered by **Node.js** as the backend language and **MongoDB** as the database. The system serves as a comprehensive guard room solution, recording and managing data related to staff, students, and visitors for enhanced security purposes

- **MyHallVision(Hall Arrangement) - 2023/2024**

  Created a dynamic web application using the MERN (MongoDB, Express.js, React, Node.js) stack. Key features include user registration, dual login functionality, 2D arrangement visualization, and downloadable layouts.

CERTIFICATES

- Frontend certificate : Coursera
- OOPs in Java : Great Learning
- ReactJS : Great Learning