MOHAMED RAJWAN

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EDUCATION

Uva Wellessa University of Srilanka (GPA: 3.3/4.0)

B.Sc (Hons) In Industrial Information Technology   08/2021-Present

PROFESSIONAL SKILLS

- **Programming Languages** - C, Java, Python, SQL, JavaScript, PHP, HTML, CSS
- **Libraries and Frameworks for Web Development** – React, Bootstrap, Tailwind CSS
- **Database** MySQL, Relational Databases, Mongo DB
- **Version Control System** – GitHub, Git
- **Cloud Platforms –** Microsoft Azure, Amazon Web Services (AWS)
- **Operating Systems** – Windows, Linux (CLI, Shell Scripting, File System)
- **Networking** – Networking Fundamentals (TCP/IP, DNS, HTTP/HTTPS, Subnetting, Firewalls),
- **Networking Tools** – Cisco Packet Tracer
- **QA and Automation** – Manual Testing, Selenium, Postman, Test Automation
- **Business Analysis** – Requirements Gathering, Stakeholder Management, Process Modelling, BRD, SRS, User Stories, Agile, JIRA
- **MS Office Suite** – Proficient in Excel (Formulas, Pivot Table), Word, PowerPoint

LANGAUGE COMPETENCIES

- English: Proficient- Second Language
- Tamil: Fluent (Speaking, writing, reading)
- Sinhala: Intermediate (speaking, reading); basic (writing)

PROJECTS

- **Integration of IoT and Deep Learning for Dynamic Plant Health Monitoring and Animal Surveillance (Currently Working on)**
  Managed IT systems, provided technical support, ensured network security, trained employees, maintained inventory, and integrated new technologies. This project integrates IoT and deep learning for real-time plant health monitoring and animal surveillance in agriculture. IoT sensors track soil moisture and humidity, enabling real-time data collection, mobile alerts, and automated watering. A CNN model detects plant diseases via a mobile app, while a YOLO-based model with sound recognition enhances animal surveillance by identifying threats. Cloud platforms support data storage and visualization for seamless monitoring and control.

  Technologies Using: IoT, Deep Learning, Python, YOLO, CNN, Cloud Computing, Mobile Application Development

- **Online Food Processing System**
  Developed a project to manage an Online Food processing system, enabling customers to browse restaurants, select dishes and place orders efficiently. This system automates the entire ordering process, reducing manual errors and improving customer convenience. The project includes the user authentication, restaurant management, and an intuitive checkout process.

  Technologies Used: HTML, CSS, JavaScript, PHP, MySQL, XAMPP Server, Visual Studio

- **E- Commerce Web Application (MERN Stack)**
  We developed a full-stack E-commerce Web Application using the MERN (MongoDB, Express.js, React.js, Node.js) stack to provide users with a seamless online shopping experience. The system features user authentication, product browsing, cart management, and secure checkout processes. This project was designed to offer a scalable and responsive solution for online retail businesses.

  Technologies Used: React.js, Node.js, Express.js, MongoDB, JavaScript, HTML, CSS, Visual Studio Code

- **JobMart – Advanced Web-Based Job Portal**
  Worked on a group development of JobMart, an innovative online job portal platform aimed at reducing unemployment in Sri Lanka by connecting job seekers with employers. The system provides a seamless job search experience with features such as online resume creation, job applications, employer job postings, and real-time communication. The primary goal of this project was to replace the inefficiencies of traditional job searching with a modern, user-friendly, and secure platform that improves job matching and enhances career opportunities.

  Technologies Used: TML, CSS, JavaScript, PHP, Laravel, MySQL, XAMPP Server, Visual Studio Code

- **YouTube Clone**
  This web-based YouTube clone replicates core video streaming functionalities, allowing users to browse, search, and watch videos. Designed to enhance frontend development and API integration skills, it features a responsive layout, trending and recommended videos, keyword search, a video player, category-based navigation, and optional dark/light mode.

  Technologies used: React.js, CSS, YouTube Data API, Node.js, npm., dotenv

CERTIFICATIONS

- Certificate in "Hotstar Clone using HTML, CSS and JavaScript"   **AWS community Builders**
- Completed "React: Creating and Hosting Full – Stack Site" (2022)   **LinkedIn**
- Successfully completed "Python for Students"   **LinkedIn**
- Certificate in "Azure DevOps for Beginners"   **LinkedIn**
- NVQ 4 in Information and Communication Technology Technician   **VTA, SL**
- Certification in Dean's list for Outstanding Academic Performance (IIT)   **UWU, SL**

REFERENCES

Mr. Atheeq Mahroof
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