Rashmi Mendis

SOFTWARE ENGINEER INTERN

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📇 PROFILE

Enthusiastic and dedicated Software Engineering student with a strong foundation in software development, database management, machine learning, UI designing, and graphic designing. Experienced in designing and implementing software solutions with a focus on efficiency, scalability, and user experience. Passionate about problem-solving, teamwork, and continuous learning, with knowledge in object-oriented programming, agile methodologies, and UI/UX design.

💼 PROFESSIONAL EXPERIENCE

ICT Trainee   2020 – 2021
University of Colombo Institute for Agro-Technology & Rural Sciences

- Developed a Java-based Inventory Sale Management System for UCIARS Sale Center.
- Managed and updated the Moodle CMS for e-learning administration.
- Troubleshoot network and technical issues, ensuring system efficiency.
- Designed reports using PHP and MySQL queries for data analysis.
- Created graphics and UI/UX designs using Photoshop and Illustrator.
- Assisted in data entry activities based on agricultural research.

🎓 EDUCATION

Bachelor of Science Information Technology   2021 – present
Rajarata University of Sri Lanka (RUSL)

Diploma level of Bachelor of Information Technology (BIT)   2020 – 2021
University of Moratuwa (UOM)

Diploma in Information Technology   2019 – 2020
E-Soft Metro Campus

💻 TECHNICAL SKILLS

- **Web Development:** (HTML, CSS, JavaScript, PHP)

- **Programming** (Java, Python, C, C++, C# (.NET))

- **Mobile App Development** (Java, XML)

- **Database Management** (MySQL, SQLite, WAMP, XAMPP)

- **UI/UX Design** (Figma, Wireframing, Prototyping)

- **Other** (Machine Learning, Report Generation (PHP))

🧠 PROFESSIONAL SKILLS

- **Strong problem-solving abilities**

- **Excellent teamwork & communication skills**

- **Detail oriented with analytical thinking**

- **Adaptability and eagerness to learn**

📂 PROJECTS

Real-Time Traffic Sign Recognition Using Computer Vision Techniques　　　10/2023 –
04/2025
- Achieved second place out of 34 groups.
- Developed an advanced real-time sign recognition system integrating **YOLO, TensorFlow Lite, OpenCV, and Adam Optimizer** to ensure accurate and efficient traffic sign detection. Implemented **SimpleNLG** for generating intelligent auditory alerts and utilized **Chaquopy** to integrate Python-based deep learning models into an **Android Studio (Kotlin & Java)** application.
- Followed **Agile methodologies** across key phases such as **Project Proposal, SRS, SDS, and multiple implementations**.
  - **Implementation 1** 🔗 : Develop Mobile App with Dummy Data (Java , Kotlin).
  - **Implementation 2** 🔗 : Develop the deep learning models with real-time data (YOLO, TensorFlow Lite, Adam Optimizer, Python).
  - **Implementation 3** 🔗 : Integration with Enhance the models(Chaquopy, OpenCV).

Tree Classifier　　　05/2024
- Implemented a machine learning model for tree classification using Python, TensorFlow, Keras and Matplotlib : **treeClassifier.git** 🔗

To-Do App　　　05/2024
- Developed a task management application using Android Studio and SQLite : **ToDoApp.git** 🔗

Personal Portfolio　　　02/2024
- Developed the website using HTML, CSS, JavaScript : **Portfolio.git** 🔗

Beauty & Personal Care Website　　　08/2023
- Developed the website using HTML, CSS, JavaScript : **SihinRoooooSalon.git** 🔗

Online Learning & Trading Education　　　05/2023
- Developed the Website using HTML, CSS, JavaScript : **GatewayAcademy.git** 🔗

Sales & Inventory Management System　　　10/2021
- Individual project of UOM BIT Degree (University of Moratuwa, Bachelor of Information Technology).
- Implemented POS System using C#(.NET Framework) and MySQL with Expiration Tracker: **POSsystem.git** 🔗

Real Estate Business Website　　　12/2020
- Developed the Website using HTML, CSS : **MyProperty.git** 🔗

Railway Reservation Booking System　　　01/2020
- Final Group Project of E-Soft Metro Campus
- Developed Rail-way booking system using C# and SQL.

✏️ REFERENCES

Dr. K A S H Kulathilake, *Head of Department,* Rajarata University of Sri Lanka
kule@as.rjt.ac.lk, +94 71 533 4774

Mr. Akalanka Hettige, *Senior Lecturer,* Rajarata University of Sri Lanka
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