SUNETH MADHUWANTHA

SOFTWARE ENGINEER

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PROFILE SUMMARY

Skilled Full Stack Developer with expertise in frontend, backend, and full-stack development. Proficient in web services deployments. Passionate about leveraging technology to create innovative solutions and drive business growth. Ready to contribute to dynamic team environments and tackle new challenges.

WORK EXPERIENCE

Software Engineer Intern - Pristine Solutions (Pvt) Ltd. Nugegoda, SL   **Jan 2023 - July 2023**

- Contributed as a Full Stack Developer to the end-to-end development of a PettyCash solution using Angular, SAP HANA XSJS, Bootstrap, and SAP HANA Database.
- Improved project efficiency by reducing sprints through module reuse.
- Participated in code reviews and technical discussions to overcome challenges and meet milestones.
- Gained experience in Linux Server Handling, Agile Methodologies, AWS, Azure, CI/CD Pipelines with Docker, Containerization, and Microservices Architecture.

EDUCATION

BSc (Hons) in Information Technology - University of Moratuwa , Sri Lanka   **2020 - 2024**

- Current GPA - 3.32 (Up to semester 7)

Royal College, Polonnaruwa   **2016**

- G.C.E. Advanced Level 2018 (Physical Science Stream) - 3B's , Z score 1.412
- G.C.E. Ordinary Level 2013 - 9A's

PROJECTS

Petty Cash Solution - Trade Promoters (Pvt) Ltd │ Internship Project   **2023**

- Contributed as a Full Stack Developer to the development of a PettyCash solution, automating petty cash requests, approvals, and management.
- Improved project efficiency by reducing sprints through module reuse.
- Key responsibilities included front-end development, backend Synchronizer model creation, API development, and SAP integration for efficient process management.
- Technologies - Angular, Bootstrap, SAP HANA XSJS, SAP HANA Database

Online Buying and Selling System (2nd Year Group Software Project)   **2021-2022**

- Developed a platform connecting local Sri Lankan sellers with foreign buyers for indigenous products. Integrated features like product publishing, buying, customization, auctioning, and reviews. Enabled direct communication between sellers and buyers to streamline transactions.
- Technologies - MongoDB, ExpressJS, ReactJS, NodeJS

Floating Garbage Removal & Managing System in Drains   **2020-2021**
(1st Year Group Hardware Project)

- The project aimed to tackle challenges in waste management by developing a system for removing garbage from drains inaccessible to manual collection. A specific contribution centered on implementing water level sensors to precisely measure drain water levels, thereby enhancing the system's overall functionality.
- Technologies : C (Atmega32, AtmelStudio)

RESEARCH WORK

Reforming Damaged Sinhala Handwritten Documents Using Image   **2023-2024**
Processing & ML (Final Year Group Research Project)

- Developed a solution using computer vision and machine learning to reconstruct damaged Sinhala handwritten documents through image processing techniques.
- Utilized a Convolutional Neural Network (CNN) to enhance and digitize degraded characters, resulting in a complete digital version of the documents.
- Technologies : OpenCV, Python, Keras

TECHNICAL SKILLS

- **Programming Language :** Java, C
- **Web Development :** HTML, CSS, .NET, Node JS, React, SpringBoot, JavaScript, TypeScript, Bootstrap
- **Database:** MSSQL, MongoDB, MySQL, SAP HANA DB
- **Cloud Technologies :** AWS, Azure
- **Container Technologies :** Docker, Kubernetes
- **Scripting :** Python
- **Test Automation:** Postman, Jmeter, Selinium, Rest Assured
- **Version Control System :** Git, GitHub
- **Project Management :** Jira, Trello
- **Other :** Figma, GIMP, Photoshop, illustrator

NON - TECHNICAL SKILLS

- Problem Solving
- Adaptability
- Team Working
- Leadership skills
- Communication skills
- Working under pressure

ACHIEVEMENTS

- Participation in Code Rush 2020 - Intra Faculty Coding Competition INTECS - UOM
- Selected to semi-final in Thinkwave 3.0 2021 - Biggest ideathon competition Organized by AIESEC in UOM
- Participation in HackMoral 4.0 2022 - Faculty Coding Competition INTECS - UOM

NON-RELATED REFEREES

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