CHAMI HANSANI

COMPUTER ENGINEERING | UNDERGRADUATE | UNIVERSITY OF RUHUNA

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SUMMARY

Responsible, motivated, and hardworking third-year engineering undergraduate looking forward to expanding knowledge in the field of Web Applications, AI, Mobile Development , improving technical and non-technical skills while making a significant contribution to the success of the organization.

PROJECTS

Crop Marketplace and Delivery System   Aug 2023 - Present

As a proactive full stack developer, I spearheaded a team project focused on creating a cutting-edge platform that enables seamless connectivity among farmers, sellers, and delivery personnel. My role encompassed a wide range of responsibilities, including UI/UX designing front-end developing, establishing the connections between users, database handling and maintain an effective communication between team members. Currently, I am actively engaged in developing a chatbot to assist users using deep learning. This experience showcases my comprehensive expertise in both front-end and back-end development, highlighting my ability to deliver innovative solutions in a dynamic team environment. (MERN Stack, JavaScript, CSS, CNN)

Plant Disease Prediction System   Mar 2024 - Present

As an independent developer, I successfully created a platform from scratch, demonstrating my expertise in deep learning and web development. I deployed the predictive model into a user-friendly website, ensuring accurate and reliable predictions for users. Currently, I am preparing to host the system to make it accessible to a wider audience, and I have exciting plans to expand the system's reach by developing a mobile application. This experience showcases my ability to conceptualize, develop, and deploy innovative solutions. (CNN, Streamlit, TensorFlow)

E-School Mobile App   Aug 2023 - Dec 2023

As a frontend developer in a collaborative mobile application development project, which features two mobile applications. One is designed to provide free learning resources for school students and the other application streamlines maintenance processes for administration. I played a key role in designing the UI/UX and implementing crucial pages, ensuring a seamless and intuitive user experience. This experience highlights my ability to work effectively in a team environment and deliver impactful solutions. (Figma, Android Studio, Kotlin, Firebase)

Sales Insights Project   Mar 2024

As a proactive individual, I conceptualized and developed a dynamic dashboard project aimed at showcasing the dynamically growing sales within a company. Leveraging MySQL for robust data analysis and Power BI for interface development, I crafted a solution to address the challenges faced in generating sales insights in large companies. The project's interactive dashboard presents relevant and real-time data from MySQL databases, empowering companies to make informed and data-driven decisions effortlessly (MySQL, Power BI)

Loan Status Prediction   Aug 2023 - Dec 2023

As part of a collaborative team effort, I contributed significantly to a machine learning project that involved evaluating the most suitable algorithm for predicting loan status. I took charge of developing the model using the Logistic Regression algorithm. This hands-on experience allowed me to understand machine learning techniques and contribute effectively to the team's goal of creating an accurate and efficient loan prediction system. (Python, Scikit-learn)

Brain Tumor Prediction   **Jan 2024 - Mar 2023**

As a proactive developer, I spearheaded a deep learning project aimed at identifying brain tumors from MRI scan images. The project's algorithm not only predicts the presence of a brain tumor but also predicts its specific type. (Python, PyTorch, TensorFlow)

Spices Delivery System   **Aug 2023 - Dec 2023**

As a proactive developer, I developed a dynamic website facilitating the buying and delivery processes for spices, enhancing user experience. (MERN Stack, JavaScript, CSS)

EDUCATION

B.Sc.Eng.(Hons) in Computer Engineering
University of Ruhuna (2020 - Present)

G.C.E. Advanced Level Examination (Physical Science)
H/ Vijayaba National School, Sri Lanka (2011 - 2019)

TECHNICAL SKILLS

- Full-Stack Web Development (MERN, JS, HTML, CSS)
- Deep learning framework (TensorFlow, PyTorch)
- Machine Learning
- Natural Language Processing
- Computer Vision
- Mobile Application Development (Android Studio, Kotlin)
- Databases Management (MongoDB, MySQL, Firebase)
- Cloud computing (AWS)
- Git / Github Version Control
- Programming languages (Python, JS, C++, Java)
- Other skills (Linux, Agile, Figma, Power BI)

LICENCE & CETIFICATES

- Cert Prep: Certified Entry-Level Python Programmer - LinkedIn Learning
- Machine Learning with Python - IBM
- Developing Front-End Apps with React - IBM
- Machine Learning - Simplilearn
- Introduction to Graphic Design; Basics of UI/UX - Simplilearn
- Essential Skills for Your Career Development - University of Leeds
- Improving Communication Skills - University of Pennsylvania

VOLENTERRING

- Volunteer in Mehewara Program (2021/2022/2023) - University of Ruhuna

REFERENCES

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