CHANUGA JAYARATHNE

GitHub LinkedIn

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PROFILE

Enthusiastic and dedicated final-year Computer Science student with a strong academic background and practical experience in software development. Skilled in designing and developing web and desktop applications, problem-solving, and working with a variety of programming languages and technologies. Adept at collaborating in team environments, quickly learning new tools, and adapting to evolving project requirements. Passionate about technology and eager to contribute to real-world solutions while continuing to grow both professionally and technically.

EDUCATION

BSc. (Hons) in Computer Science   2021 - 2025
Informatic Institute of Technology (Affiliated with the University of Westminster)

G.C.E Advanced Level - Physical Science   2018 - 2020
Thurstan College , Colombo 07

G. C. E. Ordinary Level Examination   2017
Thurstan College , Colombo 07

EXPERIENCE

Internship Trainee at Michelin Lanka   May 2023 - May 2024
Technologies: PowerApps ,React ,Node.js ,Flask ,Power Automate

- Developed a Vendor Invoice Management System using PowerApps and SharePoint to automate invoice submission and approval workflows.
- Built a Meal Ordering System for internal staff using React (frontend), Flask (API), and Node.js (backend services), enabling real-time meal ordering and tracking.
- Gained hands-on experience withSAPfor invoice tracking, procurement, and internal data management.

PROJECTS

Image Enhancement and Early-Stage Ankylosing Spondylitis Detection Web Application

- This was a final year research project. Developed a deep learning–based diagnostic tool for enhancing MRI images and detecting Ankylosing Spondylitis, a chronic inflammatory spinal disease. The system integrates image preprocessing using CLAHE to improve image clarity and employs a fine-tuned VGG16 convolutional neural network to classify MRI scans. Supporting reliable early-stage detection and aiding radiologists in diagnosis.
- Technologies: Python, TensorFlow, Keras, OpenCV, VGG16, CLAHE, Scikit-learn, React JS, TypeScript, Node.js , Flask

Hotel Review Summarization and Emotion Detection Web Application

- This was the 2nd year Software Development Group Project. The project involved building a web-based application that summarizes hotel reviews and detects the sentiment expressed in the text. It uses machine learning to classify reviews as positive, negative, or neutral, while also providing statistical insights into the most common emotions detected.
- Frontend developer, backend team member
- Technologies: Python , Flask, React JS, Node.js , TextRank

Estate Agent Client-side Web Application

- A client-side web application that enables a user to search properties by different criteria.
- Technologies: HTML , CSS , jQuery UI , JSON , JavaScript

Westminster Skin Consultation

- A system to manage skin consultation where patients can consult doctors
- Technologies : Java

E- Commerce based DJ Equipment selling website

- Developed an e-commerce website for selling DJ equipment, featuring secure transactions, product management, and a user-friendly interface.
- Technologies : HTML , CSS , JavaScript

SKILLS

Tech Skills	Soft Skills
Python, JavaScript, TypeScript, Java, HTML, CSS, SQL, React.js, Node.js, Flask, TensorFlow, Keras, OpenCV, Scikit-learn, TextRank, jQuery UI , CNN , Image preprocessing (CLAHE) , Git, GitHub, Jira ,SAP	Problem-solving, Agile team collaboration, Quick learning and adaptability, Application deployment and maintenance

REFERENCES

Mr. Chamara Cooray
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