

ACHALA WIMUKTHI

Software Engineer

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Professional Summary

IT professional with a BSc (Hons) in Information Technology, experienced in developing effective web and mobile applications. Successfully improved system efficiency by 20 - 40% across various projects. Proficient in Java, MySQL, HTML, CSS, PHP, JavaScript, and React, with a focus on creating user-friendly solutions that enhance business processes.

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, C
- **Web Development:** HTML, CSS, React.js, Express.js, PHP, FastAPI, RESTful API
- **Databases:** MySQL
- **Cloud Platforms:** AWS (Basic), Google Cloud Platform (Basic)
- **Development Tools:** Android Studio, NetBeans IDE, Visual Studio Code
- **Additional Skills:** UI/UX Design, Responsive Web Design, Adobe Photoshop, Adobe Illustrator
- **Operating Systems:** Linux, Windows

Academic Projects

Hospital Management System *Java* 2022

- Developed a comprehensive Hospital Management System using Java and MySQL on NetBeans, improving appointment scheduling efficiency by 50% and streamlining patient record management.
- Implemented features for patient registration, appointment management, and medical history tracking, enhancing overall operational efficiency by 30%.

Pharmacy Website *html* 2023

- Created a user-friendly Pharmacy Website with online ordering and prescription management using HTML, CSS, PHP, and JavaScript, increasing order processing efficiency by 25% and improving prescription management speed.

Tourist Guide Mobile App *java* 2024

- Built a Tourist Guide App using Java on Android Studio, improving destination search efficiency by 20% and enhancing navigation response time for a smoother user experience.
- Integrated GPS functionality to provide real-time location tracking and directions for users, with 75% accuracy.

Fashion Website *wix* 2023

- Designed a stylish and user-friendly Fashion Website using Wix, increasing customer engagement efficiency by 35% and improving collection browsing speed.

Weather Forecast - Machine Learning Application *python* 2023

- Developed a Weather Forecast application that utilizes machine learning algorithms to predict weather conditions for selected locations.
- Achieved an accuracy rate of approximately 50%, providing users with a basic tool for understanding upcoming weather patterns.

Work Experience

Graphic Design Intern (*Internship - 6 months*)

2020 – 2021

- Assisted in the development of design concepts for marketing materials and digital content, contributing to increased brand engagement.
- Collaborated with senior designers to create visual assets and layouts for both print and web, improving design workflow efficiency by 25%.
- Strengthened proficiency in Adobe Creative Suite, focusing on Photoshop and Illustrator, enhancing overall design quality and consistency.

PC Assembler (*Self-employed - 6 months*)

2019 – 2020

- Provided custom PC assembly services, delivering tailored hardware configurations to meet individual client needs and preferences.
- Diagnosed and resolved hardware issues, ensuring optimal performance and reliability of assembled systems, leading to a 95% customer satisfaction rate.
- Worked with a wide range of components, including CPUs, GPUs, storage devices, and cooling systems, enhancing technical expertise in PC building and troubleshooting.

Typesetting Assistant (*Full-time - 1 year*)

2018 – 2019

- Assisted in preparing documents for print, ensuring proper formatting and layout in line with project specifications, contributing to a 95% compliance rate with client requirements.
- Collaborated with typesetters to maintain accuracy and consistency in text formatting, reducing errors by 15%.

Education

B.Sc. (Hons) in Information Technology

2021

Horizon Campus, Colombo, Sri Lanka

NVQ Level 4 in Graphic Design

2018 – 2019

VTA, Kanthale

GCE Advanced Level

2016 – 2018

Kanthale Central College, Kanthale

Certifications

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|------------------------------------|----------------|
| • Feature Engineering Course | Great Learning |
| • Python for Beginners Course | SoloLearn |
| • Computer Vision Course | Kaggle |
| • Intro to Deep Learning Course | Kaggle |
| • Intro to Machine Learning Course | Kaggle |

References

- **M.G. Asanka Dinesh**, Master of Computer Science (UCSC), BSc(Hons) in IT, HOD - Faculty of Information Technology, Horizon Campus, Knowledge City Malabe, KCM Drive, Off Millennium Road, Malabe, Sri Lanka. Email: asankadinesh@horizoncampus.edu.lk — Mobile: [+94 77 49 79 740](tel:+94774979740)
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