

# ACHALA WIMUKTHI

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## Professional Summary

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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

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- **Programming Languages:** Python, Java, JavaScript, C
- **Web Development:** HTML, CSS, React.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
- **Operating Systems:** Linux, Windows

## Academic Projects

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### 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.

### 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.
- Implemented responsive design principles to ensure optimal viewing across various devices.

### Weather Forecast - Machine Learning Application *python* 2023

- Developed a Weather Forecast application that utilizes machine learning algorithms to predict weather conditions for selected locations.
- Enabled users to choose their desired location on an interactive map to receive detailed weather forecasts.
- Achieved an accuracy rate of approximately 50%, providing users with a basic tool for understanding upcoming weather patterns.

## Work Experience

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### **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 100% compliance rate with client requirements.
- Collaborated with typesetters to maintain accuracy and consistency in text formatting, reducing errors by 15%.
- Supported the design team in producing high-quality printed materials for various publications, enhancing overall production efficiency by 20%.

## Education

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### **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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|--|-----------------------|
| • <b>Feature Engineering Course</b><br><i>Great Learning</i> | <b>Great Learning</b> |
| • <b>Python for Beginners Course</b><br><i>SoloLearn</i>     | <b>SoloLearn</b>      |
| • <b>Computer Vision Course</b><br><i>Kaggle</i>             | <b>Kaggle</b>         |
| • <b>Intro to Deep Learning Course</b><br><i>Kaggle</i>      | <b>Kaggle</b>         |
| • <b>Intro to Machine Learning Course</b><br><i>Kaggle</i>   | <b>Kaggle</b>         |