

# ASHAN FERNANDO

## SOFTWARE ENGINEER / FULL STACK DEVELOPER

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**Portfolio** - <https://react-portfolio-ashan.vercel.app/>

**GitHub** - <https://github.com/ashan0901>

**Linkedin** - <https://www.linkedin.com/in/ashan-fernando-06960b222/>

**Hackerrank** - <https://www.hackerrank.com/profile/ashanchanuka1211>

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## PROFILE

I'm a Computer Science undergraduate who likes to experience new things in life and to try out upcoming technologies. I am currently seeking a new professional opportunity to broaden my experience and knowledge base.

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## EDUCATION

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|---|-----------------------|
| <b>Bachelor of Science Honors in Computer Science</b>     | <b>2021 - Present</b> |
| University of Kelaniya SriLanka                           |                       |
| <b>Diploma in Infomation Technology</b>                   | <b>2022</b>           |
| University of Colombo SriLanka                            |                       |
| <b>Diploma in Infomation and Communication Technology</b> | <b>2020</b>           |
| BCI Campus Negombo, Srilanka                              |                       |
| <b>GCE Advance Level - Physical Science Stream</b>        | <b>2019</b>           |
| Loyola College Negombo                                    |                       |

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## ACADEMIC & PERSONAL PROJECTS

### Safe Route Pro

**Technologies : Flask (Python) , React , Machine Learning** Jan 2024 - Apr 2024  
Developed an application that predicts appropriate driving speeds based on weather and road conditions, incorporating live weather updates and location tracking.

**MoneyMate - Personal Expense Tracker** [Check it here](#) Dec 2023 - Apr 2024

**Technologies : Java (Spring boot) , ReactJS , MongoDB , EmailJS , ChartJS , Node.js**  
A fully functional expense tracking website with features like add expenses, show past expenses and income visually, and user authentication.

**Food Ordering System - POS** [Check it here](#) July 2023 - Dec 2023

**Technologies : C#(.NET Framework) , SQL Server management , Visual Studio**  
An application for managing Food orders and Management, with features such as order creation, order completed, and order status and management of Admin and user authentication.

**Studio-K - Music Studio Website** [Check it here](#) July 2023 - Dec 2023

**Technologies : HTML5 , CSS , JavaScript , PHP , XAMPP**  
A Website for marketing and publishing music services to society, with features like booking studio and get services etc.

**Audio Tempo Extractor** [Check it here](#) June 2024 - July 2024

**Technologies : Python , Tkinter , Librosa lib, Inno compiler**  
This is a desktop applications designed for music production, specifically used to extract tempo from audio files. This tool is essential in my music production workflow, allowing precise tempo extraction for creating music.

**Technologies : Python , CNN, Deep Learning , Google colab**

currently engaged in training a CNN model to identify Sinhala characters, specifically focusing on 'ච' (cha) and 'න' (na). This project involves working with approximately 50 images per character to develop a robust recognition system.

**Predictive Modeling of Sri Lankan Stock Market Trends** [Check it here](#)

Feb 2024 - Mar 2024

**Technologies : Python , RNN,LSTM, Deep Learning , Google colab**

I This is a stock price prediction model for the Sri Lankan market using LSTM . This project leverages LSTM, a type of RNN, to analyze historical stock data and forecast future price trends.

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**CERTIFICATIONS**

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|---|-------------|
| <b>Frontend Developer (REACT)</b>       | <b>2024</b> |
| <b>ORACLE Database SQL Fundamentals</b> | <b>2023</b> |
| HackerRank                              |             |
| <b>Introduction to Data Science</b>     | <b>2024</b> |
| CISCO Network Academy                   |             |
| <b>Python for Beginners</b>             | <b>2022</b> |
| <b>Web Design for Beginners</b>         | <b>2022</b> |
| CODL University of Moratuwa Srilanka    |             |

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**ACHIEVEMENTS**

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| <b>ImaginCup 2024 - Qualified</b>                    | <b>2024</b> |
| <b>RealHack 5.0 (University of Kelaniya)- top 50</b> | <b>2024</b> |
| <b>DevQuest 2023 (SLIIT) - Participation</b>         | <b>2023</b> |

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**TOOLS & TECHNOLOGIES**

| Languages   | Frameworks   | Database  | IDEs   | Other   |
|---|--|---|--|---|
| <ul style="list-style-type: none"><li>• Python</li><li>• Java</li><li>• C#</li><li>• HTML/CSS</li><li>• JavaScript</li><li>• PHP</li><li>• TypeScript</li></ul> | <ul style="list-style-type: none"><li>• NextJS</li><li>• ReactJS</li><li>• SpringBoot</li><li>• .NET</li><li>• Flask</li></ul> | <ul style="list-style-type: none"><li>• MongoDB</li><li>• MySQL</li><li>• SQL Server Management</li></ul> | <ul style="list-style-type: none"><li>• VS Code</li><li>• Jupyter Notebook</li><li>• Visual Studio</li><li>• Node.js</li><li>• IntelliJ</li><li>• Google Colab</li></ul> | <ul style="list-style-type: none"><li>• Machine Learning</li><li>• Deep Learning</li><li>• Git / Github</li><li>• Postman</li><li>• AWS</li></ul> |

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**CLUBS & COMMUNITIES & SPORTS**

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|--|------------------|
| <b>Free &amp; Open Source Software Community(FOSS) of University of Kelaniya</b> |                  |
| Member   | <b>2024</b>      |
| <b>Leo Club University of Kelaniya</b>   |                  |
| Project Sanhindha - PR and Marketing Coordinator                                 | <b>2023</b>      |
| <b>Cricket</b>   |                  |
| University of Kelaniya   | <b>2021</b>      |
| School Cricket - under 13 and 15   | <b>2013-2016</b> |
| <b>Chess</b>   |                  |
| School Chess team - Under 15 and 17  | <b>2015-2018</b> |

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**REFERENCES**

References available upon request.