



# Karunairasa Kishobigan



## Objective

Ambitious and technically skilled 4th-year Computer Science and Technology student with a strong focus on backend development and expertise in full-stack solutions. Equipped with advanced problem-solving, mathematical, and statistical abilities, I seek an internship to leverage my coding expertise, enhance backend systems, and contribute to dynamic, forward-thinking projects that challenge and expand my technical capabilities.



## Personal Information

Date Of Birth : 06 May 2000  
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Website : [Portfolio](#)



## Certifications

### Machine Learning with Python - freeCodeCamp

[To Verify Click Here](#)

November 15 2024

### Data Analysis with Python - freeCodeCamp

[To Verify Click Here](#)

November 14 2024

### Programming in Python - 1. Python for Beginners University of Moratuwa

[To Verify Click Here](#)

verification code - J33QMwUZOO

May 23 2023

### Responsive Web design - freeCodeCamp

[To Verify Click Here](#)

December 19 2021



## Technologies

- ReactJs
- NextJs
- MySql
- MongoDB
- Django
- SpringBoot
- Asp.net core
- NodeJs



## Education

08/2021 - Present

Uva Wellasa university of srilanka

### Computer science and technology degree program

- Pursuing a Bachelor's degree in Computer Science and Technology at Uva Wellasa University, specializing in software development, backend engineering, algorithms, and statistical analysis.

05/2020 - 11/2/2020

Uki Coding School(Online Cohort - 1)

### Full stack web development

- Trained in MERN full-stack development at UKI Coding School, gaining hands-on experience in building dynamic web applications using MongoDB, Express.js, React, and Node.js.

04/2017 - 08/2019

Mu/Oddusuddan Maha Vidyalayam

### G.C.E Advanced Level (Physical science)

- Index : 6905374 | Result 3S



## Programming Languages

- Python
- PHP
- Java
- JavaScript
- C
- C#
- TypeScript
- Html



## Strengths

Time Management

Strong Work Ethic

Leadership

Team Collaboration

Problem-Solving



## Projects

### OmniBiz - Backend

[To View Repository](#)

- Developed a multi-business management platform using **Django** and **MySQL**, implementing separate databases for each business with dynamic database manipulation. Integrated Simple JWT for secure token-based authentication, Celery for automated task management, and Django Channels to enable real-time updates on the dashboard.

### Vehicle Vista

[To View Repository](#)

- Vehicle Service Station Connector is a web application that connects vehicle owners with nearby service stations. Built using **React**, **PHP**, and **MySQL**, the platform allows users to search for service stations, book appointments, and manage service history. Service stations can efficiently handle bookings and customer information, streamlining operation

### Handy Hero

[To View Repository](#)

- Built a field worker hiring application using **AngularJS** for the frontend, **ASP.NET** Core for the backend, and **MSSQL** for database management. The system streamlines the process of hiring and managing field workers, offering a user-friendly interface and efficient backend operations

### LinkedUp

[To View Repository](#)

- Developed a complete social media web application using **PHP**, **HTML**, **CSS**, and **MySQL**, featuring user profiles, interactions, and real-time content sharing, with a focus on responsive design and smooth user experience.

### E-Commerce

[To View Repository](#)

- Developed a fully functional e-commerce application using **Django**, **HTML**, **CSS**, and **MySQL**, providing features like product listings, user authentication, shopping carts, and secure transactions.

### Sea Level Predictor

[To View Repository](#)

- Developed a **Python-based** Sea Level Predictor to analyze historical sea level data using **Pandas**, **Matplotlib**, and **SciPy**. Created predictive models to forecast sea level rise through 2050 using linear regression, visualizing data trends and producing actionable insights on future sea level changes.

### Page View Time Series Visualizer

[To View Repository](#)

- Developed a data visualization tool in **Python** to analyze and illustrate trends in website page views over time. Leveraged **Pandas** for data cleaning and manipulation, and used **Matplotlib** and **Seaborn** to create line charts, bar plots, and box plots. The visualizations reveal insights into daily, monthly, and yearly page view trends, supporting effective data-driven decision-making.

### Medical Data Visualizer

[To View Repository](#)

- Developed a data visualization tool to analyze medical examination data, utilizing **Python**, **Pandas**, **Matplotlib**, and **Seaborn**. Created categorical plots and correlation heatmaps to explore the relationship between cardiovascular disease and health metrics, such as cholesterol levels, glucose levels, and lifestyle factors. Focused on data normalization, feature engineering, and effective data cleaning for accurate insights.



## Skills

Backend Development Expertise

Strong Mathematical and Statistical Analysis

Database Management

Quick Learner

Full-Stack Web Development



## Tools

- Linux OS
- Git/GitHub
- Postman
- Trello
- Slack
- MySQL Workbench
- Jetbrain's IDEs
- Minitab
- MsOffice
- Figma
- Android Studio
- Canva



## Interests

- Browsing internet
- Listening Music
- Travelling
- Photography
- Gardening



## Researches

### Optimizing Code Generation Using Fine-Tuned BERT Models (**On Going**)

- Leveraging fine-tuned BERT models to enhance code generation for solving complex computational problems,
- contributing to the intersection of NLP and software engineering.



## References

### Prof E.M.U.W.J.B. Ekanayake

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