

# Yasiru Wickramasinghe

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Passionate Computer Science and Engineering undergraduate with a strong foundation in web development and software engineering. Skilled in creating dynamic, responsive web applications using React, Node.js, and MySQL. Proven ability to deliver high-quality solutions and adept at collaborating with cross-functional teams.

Seeking a software engineer role to leverage my technical skills and contribute to innovative projects.

## EDUCATION

### University of Moratuwa

*Bachelor of Science Hons in Computer Science and Engineering*

Moratuwa, Sri Lanka

*Jan. 2020 – July 2024*

### H/Weeraketiya Rajapaksha Central College

*GCE Advanced Level*

Weeraketiya, Sri Lanka

*Jan. 2009 – Aug 2018*

## EXPERIENCE

### Software Engineer

*Irusri Group*

Oct 2023 – Present

*Remote Work*

- I have developed front-end interfaces using ReactJs, complemented by MUI, Tailwind CSS, and NextJs.
- Experienced in developing backends with Node.js, specializing in Express framework.
- Engaged in code review activities and sprint planning.

### Trainee Software Engineer

*99X Technologies*

Jan. 2023 – June 2023

*Colombo, Sri Lanka*

- Involved in research and development tasks.
- Developed a custom chatbot using the OpenAI API, utilizing Langchain, Python Flask, and Vue.js.
- Hosted developed back-end and front-end applications on Azure services.

### Freelance Graphic Designer

*Fiverr Platform*

May 2020 – Jan. 2023

- Level 2 Seller
- Designed flyers, book covers, and book interiors.

### Trainee Staff Member

*Peoples Bank*

June 2019 – Dec. 2019

*Walasmulla, Sri Lanka*

- A 6-month training program offered by Peoples Bank.

## PROJECTS

### Wi-Protect | Python, Flask, React Native, Sci-Kit Learn, ESP-IDF

June 2023 – June 2024

- Developed a cost-effective, robust, and versatile human intrusion detection system utilizing WiFi Channel State Information (CSI) data.
- Achieved high accuracy and reduced false positives and negatives by employing wavelet variance, data preprocessing, and postprocessing techniques.
- Developed a mobile application featuring system activation, mode switching, and intrusion detection notifications functionalities.

### Customized Date Range Picker | React, Material UI, CSS

June 2024

- Implemented a custom date range picker using the React Date Picker library.
- Implemented custom styling and functionality to integrate with MUI's design system seamlessly.
- Implemented a customized calendar header featuring dropdowns for month and year selection.
- Styling overrides for React Date Picker to match MUI aesthetics

### Fuel Queue Management System | React, ExpressJs, MongoDB, React Native

June 2022 – Dec. 2022

- Developed a web-based system for managing fuel queues and regulating fuel distribution.
- Primarily engaged in front-end development and mobile app development.

### E-Mart (Online shopping platform) | React, ExpressJs, MySQL, MUI

Aug. 2021 – Jan. 2022

- Designed and implemented an e-commerce system for facilitating online product sales.

## CERTIFICATES

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**Introduction to UI Design** | *University of Minnesota*

November 17, 2020

- Verify at - [coursera.org/verify/A23AJPSL7YXS](https://coursera.org/verify/A23AJPSL7YXS)

**Database Creation and Modeling using MYSQL Workbench** | *Coursera Project Network*

February 24, 2021

- Verify at - [coursera.org/verify/2YSNKUD LC3XM](https://coursera.org/verify/2YSNKUD LC3XM)

**HTML, CSS, and Javascript for Web Developers** | *Johns Hopkins University*

August 12, 2021

- Verify at - [coursera.org/verify/MYS8N8Q3VRF9](https://coursera.org/verify/MYS8N8Q3VRF9)

## ACHIEVEMENTS

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**3rd Place** | *All island mathematics competition*

July 11, 2011

**Leading places** | *Provincial mathematics competition*

2009/2010/2011/2012/2013

**University Colors** | *University of Moratuwa*

2023

- Volleyball team member
- Beach volleyball captain

## EXTRA ACTIVITIES

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### University Volleyball

- Served as Captain of the university's Beach Volleyball team in 2023.
- Reached the quarterfinals in both Volleyball and Beach Volleyball at SLUG 2023.
- University Volleyball team member.
- Champions and Captain of the Team at the Freshers' Meet.

### School Volleyball

- Won Zonal level championships in 2010, 2011, 2012, 2013, 2014, and 2015.
- Achieved 3rd place in the 2013 Provincial Volleyball Matches.

### IESL Student Chapter

Mar. 2021 - Jan. 2022

- Department Coordinator for the Computer Science and Engineering batch 2019.

### IEEE Young Professionals

Mar. 2021 - Jan. 2022

- Member of the Publicity Team, responsible for promoting events and activities.

### MoraSpirit

Mar. 2020 - Jan. 2022

- Served as a key contributor in the Creative Design Pillar, focusing on visual and graphic design projects.

### Radapasa Media Unit

Feb. 2012 - Dec. 2017

- Served as a photographer, designer, and event organizer, managing visual content creation and coordinating event logistics.

## TECHNICAL SKILLS

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**Languages:** JavaScript, NodeJs, Java, CSS, HTML, Python

**Frameworks:** React, Node.js, Express, Material UI, Tailwind-CSS, Flask, Angular, Spring-Boot

**Developer Tools:** VS-Code, Git, GitHub, Pycharm, Web-storm, Postman, Figma

**Database:** MySQL, MongoDB

## NON-TECHNICAL SKILLS

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**Personal Skills:** Problem Solving, Planning, Leadership, Adaptability, Collaborative, Negotiation

**Non-Coding Skills:** Graphic Design, UI/UX

**Sports:** Volleyball, Cricket, Badminton

## REFERENCES

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**Dr. Kutila Gunasekara:** Senior Lecturer - University of Moratuwa

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