NIRUKSHA AKSHITH SANDEEPA

Computer Science & Engineering Undergraduate

A software engineering enthusiast with experience in full stack development. Interested to work on fintech projects within agile teams to deliver high quality software. Always eager to learn new technologies.

Matara, Sri Lanka
akshith.21@cse.mrt.ac.lk
+94 767 555 080
LinkedIn: linkedin.com/in/niruksha
GitHub : github.com/NirukshaSandeepa
Portfolio: nirukshasandeepa.github.io
Medium : medium.com/@niruksha

PROJECTS

Luxury Hotel & Restaurant Information Management System (Ongoing)
github.com/orgs/Hotel-and-Restaurant-MIS/repositories
React.js | SpringBoot | MySQL | Docker | Kubernetes | Google Cloud

Hotel Web Application
Customers can find hotel information, reserve rooms & add reviews.

Customer Queries AI ChatBot
Ask questions about the restaurant through the chatbot.

Virtual Waiter Application
Select menu, add notes/toppings, order & see order status. Aim to reduce the number of human waiters.

Order Manager Application
View & track orders, change order status, generate bills.

Hotel Manager Application
Manage room reservations, manage employee information.

NexusTrust Bank - github.com/NirukshaSandeepa/Banking-System
React.js | Node.js | MySQL
Secure account management, savings account transactions, fixed deposits, loan request, approve loans, generate transaction reports & level access (manager/employee/customer).

IEEE Student Branch Official Website - ieeesb.uom.lk
Next.js | Tailwind CSS
Get information about the IEEE Student Branch, University of Moratuwa

RPAL Interpreter - github.com/NirukshaSandeepa/RPAL-Interpreter
C++
An implementation of a RPAL Interpreter, which includes a lexical analyzer, parser, abstract syntax tree (AST) generation, conversion to Standardized Tree (ST), and a CSE machine.

4-bit Nanoprocessor - github.com/SanjanaChamindu/Nano-Processor
VHDL
Designed a 4-bit nanoprocessor in VHDL with an arithmetic unit, program counter, and register bank; output shown on a seven-segment display.

EDUCATION

Bachelor of Science Honors in Engineering specialized in Computer Science & Engineering, University of Moratuwa
2022 - Present

Rahula College, Matara
2007 - 2020
GCE O/L - 9A's | GCE A/L - 3A's

EXPERIENCE

Web Developer, IEEE Student Branch, University of Moratuwa
November 2023 - Present
Contributed to develop websites and designed user interfaces.

Department Representative, Department of Computer Science & Engineering, University of Moratuwa
January 2023 - December 2023
Give leadership to the batch, helped to smooth the academic activities as well as organized many events.

SKILLS

Programming Languages
Javascript, Python, Java, C++, Typescript

UI/UX Design | Figma

Front-end Development | Next**,** React.js

Back-end Development | SpringBoot

Database | MySQL

Testing | JUnit, Selenium, Postman

Containerization | Docker

Container Orchestration | Kubernetes

Cloud | Google Cloud

Version Control | Git

ACHIEVEMENTS

International Chess Rating: 1922
Currently the highest rated chess player from the same age ones in Sri Lanka

Represented Sri Lanka
Represented Sri Lanka at the Asian, Commonwealth Chess Championships

Finalist | Enigma 2024 Hackathon

Created New Hackathon Problems for MoraXtreme 2023

ARTICLES

Agile Software Development
How to Start Learning JavaScript
Digital Twin
Apple Intelligence

VOLUNTEERING

Event Coordinator - ACM Student Chapter
Organizing Committee - Careers Fair 2024
Organizing Committee - SLIoT Challenge 2023

REFERENCES

Prof. Dulani Meedeniya
Senior Lecturer | Department of Computer Science & Engineering,
University of Moratuwa
dulanim@cse.mrt.ac.lk | +94 71 393 5801

Dr. Kutila Gunasekera
Senior Lecturer | Department of Computer Science & Engineering,
University of Moratuwa
kutila@cse.mrt.ac.lk | +94 77 142 3877

Mr. Anju Chamantha
Senior Software Engineer | WSO2
chamantha97anju@gmail.com | +94 77 839 6415