Isuru Rasanjana De Zoysa

✉ rasanjanaisuru222@gmail.com   github.com/IsuruRasanjanaDeZoysa/Projects
☎ +94727609928, +94753326051 (WhatsApp)   🌐 isururasanjana.github.io
in linkedin/Isuru Rasanjana

Personal Statement

As an aspiring Electronic and Telecommunication engineering undergraduate with a deep passion for programming, I am dedicated to tackling modern problems making a meaningful impact on the fields of programming and engineering.

Education

2021 - present
University of Moratuwa , Sri Lanka
B.Sc. (Hons) Electronic and Telecommunication Engineering

2020 - 2021
Institute of Java Software Engineering , Sri Lanka - Galle
Diploma in Comprehensive Master Java Developer(CMJD)
Object oriented programming,Database Management systems (MySQL) , Data structures and algorithms, Java FX, Netbeans IDE, Intellij IDEA

2011 – 2019
Dharmasoka College ,Ambalangoda
GCE Advanced Level 2019 (Mathematics, Physics, Chemistry) - 3As
Z score : 2.2814, District Rank - 30 , Island Rank – 393

online
Coursera(completed courses)
Supervised Machine Learning : Regression and Classification
Advanced Learning Algorithms
Unsupervised Learning, Recommenders and Reinforcement Learning
Neural Networks and Deep Learning
Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Structured Machine Learning Projects
Foundations of Cybersecurity

Experience

2023 – 2024
Internship at DirectFN
Worked as a software engineering intern(backend development-Order Management System and Back Office Server) for DirectFN

2023 – present
Freelancer
Web development(Spring boot, React), Game development(Unity), programming

techchainsolutions Co-Founder
Started developing a business for selling computer parts through affiliate marketing. I am responsible for development and maintaining company website.

Skills

Coding	Java, Python, C++, C#, Javascript, HTML, CSS, Verilog
Software and tools	Spring Boot, React, Chakra UI, Node.js, Express.js, Flask, OpenCV, Tensorflow, IntelliJ IDEA, VS Code, Visual Studio, Android Studio, Netbeans IDE
Hardware	ESP32, Arduino, AVR microcontrollers
Personal skills	Team Management, Self Learning, Analytical Thinking, Adaptability

Interests

- Web Development, Game Development, Algorithm Development, Computer vision, Machine learning, Digital systems design

Projects

- **VR-Kayaking**
Developing a VR-Kayaking system as our final year project that includes 360-degree video environment and virtual river to give haptic feedback. Also has an interactive AI-bot player. This project is fully sponsored by Dialog.

- **KochchiBazaar website**
Developed a highly responsive website for restaurants advertisements. Backend is devloped with Spring boot and frontend is developed with React(with chakraui framework). Hosted backend in a AWS-EC2 instance. Integrated Stripe as the payment gateway. Integrated Google Authentication using Firebase. Configured and managed AWS RDS MySQL database for secure, scalable, and reliable data storage in the application.

- **Video Player App**
Created an app using Android Studio to save and play youtube video links. Used SQLite as the database.

- **SpaceWar**
Created a Unity game using C# as scripting language .

- **Neural network to identify handwritten digits**
Handwritten digits (0-9) can be identified by this model.

- **House price prediction model**
linear regression model to predict house prices when features of the house are given.

- **Reprogrammable notice board**
Developed a reprogrammable notice board. Using Arduino Bluetooth Control app, user can update text displayed on an LCD can be(Second semester project)

- **London Stock Exchange Group flower trading platform project**
Created a flower trading platform model using C++

- **Emergency button alarm**
People with health problems can use this to inform guardians in an emergency. (fourth semester project)

Achievements

- **Dean's List** (Semester 1, University of Moratuwa)
- **Zonal Price :** All-Island science competition
- Participated in MoraXtram 6.0 and IEEXteam 15.0

References

Dr. Ranga Rodrigo
Former Head of the Department,
Dept. of Electronic and Telecom. Engineering,
University of Moratuwa, Sri Lanka
Email: ranga@uom.lk
Phone: +94 11 264 0422

Dr. Ajith Pasqual
Senior Lecturer,
Dept. of Electronic and Telecom. Engineering,
University of Moratuwa, Sri Lanka
Email: pasqual@uom.lk
Phone: +94 11 281 6850