



CONTACT ME

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<https://github.com/NisalDeZoysa>

SKILLS

- Software Development
- Machine Learning / Deep Learning
- Object Oriented Programming
- Web Development
- Database Management Systems
- Mobile Application development
- Design Patterns
- Problem Solving
- Evolutionary Algorithms

PROGRAMMING LANGUAGES

- Python
- Javascript / TypeScript
- Java
- C / C++ / C#
- julia
- SQL

Nisal

Chandira De Zoysa

Computer Engineering Undergraduate

PROFILE

Dedicated and self-driven individual who has a strong passion for Software Engineering and Data Science. Also interested in academic research works and has also proved to show the ability in teamwork and true skills in problem solving on various occasions. Would love to work with team members while supporting them towards success.

EDUCATION

Faculty of Engineering - University of Ruhuna

BSc Engineering (Hons) Specializing in Computer Engineering

- Current CGPA - 3.51

Rahula College - Matara

- G.C.E Advanced Level 2019 - 2 'A' Passes and one 'B' pass (Physical Science stream)

PROJECTS

• SURGEX - Operation Theater Optimization Programme

- **Description** : This was the winning project of the "EVOLUTION AI" All-island Inter-University Ideathon. Developed a Genetic algorithm and Feed-Forward neural network based solution to Optimize the resource allocation
- **Skills** : FFNN , CNN, Genetic Algorithms, Tensorflow, Keras, Scikit-learn Python, Teamwork, Django, React.js, Problem Solving
- **Repository Link**: <https://github.com/NisalDeZoysa/SURGEX---Operation-Theater-Optimization>

• Musical Concert Ticket Booking Web Application

- **Description** : This Music Concert Ticket Booking System is designed to simplify the ticketing process for music enthusiasts. This platform allows users to effortlessly discover upcoming concerts, select their preferred seats, and secure tickets online.
- **Skills** : React.js, Node.js, Express.js, MongoDB, CSS3, Chakra UI
- **Repository Link**: <https://github.com/NisalDeZoysa/Concert-Ticket-Booking-Web-Application>

TECH STACK

- Node.js / Express.js
- React.js
- MongoDB
- MySQL
- Flutter
- GIT, GitHub
- HTML5 & CSS3
- jQuery, Bootstrap,
- Firebase
- Tensorflow / Keras
- Numpy / Pandas/ Matplotlib
- OpenCV

SOFT SKILLS

- Public Speaking / Debate
- Team Work
- Leadership
- Announcing
- Communication
- Adaptability

LANGUAGES

- English (Professional working proficiency)
- Sinhala (Native)

REFERENCE

Dr. Prabath Weerasinghe

Senior Lecturer
Faculty of Engineering
University of Ruhuna - Sri Lanka
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Dr. Rajitha Udawalpola

Senior Lecturer
Faculty of Engineering
University of Ruhuna - Sri Lanka
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- **Heart Attack Risk Prediction - A Machine Learning Approach**
 - **Repository Link:** https://github.com/NisalDeZoysa/HeartAttackRiskPrediction_G32
 - **Research Paper :** [©2023 IEEE Heart Attack Prediction -A Machine Learning Approach](#)
- **Database Management System for Galle Prison**
 - **Description :** Comprehensive database project encompasses the management of a all the functionalities in Galle-Prison
 - **Skills :** MySQL , SQL Database Administration, Database Management System (DBMS), Query Writing, Problem Solving
 - **Repository Link:** <https://github.com/NisalDeZoysa/Prison-Database-Management-System>
- **Java Multi-client Quiz Game Server**
 - **Skills :** Network Programming, Socket Programming, threads and Processes, Java, Data Structures, Server Management
 - **Repository Link:** <https://github.com/NisalDeZoysa/QuizApp---Networking>
- **Boarding Places Finding System for UoR Students**
 - **Skills :** Data Structures and Algorithms, Linked List, Hash table, C++, Problem solving, Sorting and Searching Algorithms
 - **Repository Link:** <https://github.com/NisalDeZoysa/Boarding-Places-Management-System>

ACHIEVEMENTS

- **Winner- Evolution AI inter University Ideathon**
 - I was a part of Team "Eximius Ruhuna", Winners of the Evolution AI 2022 National Ideathon Organized by University of Kelaniya.
- **IEEEXTREME 17.0 - 2023**
 - Team "Matrix".
 - Country rank : 67 || University Rank : 4
- **Best Debater of Rahula College - 2017**

EXTRA CURRICULAR ACTIVITIES

- **Coach - Rahula College Sinhala Debate Team**
- **IEEE Volunteer of the Month - 2024 February**
- **Team Lead - Task Team - Red Cypher 1.0 Inter University CTF Competition**
- **Team Lead - Task Team - HaXtreme 2.0 Inter University Hackathon**