

# CHAVEEN DIAS

B SC. HONS. COMPUTER ENGINEERING UNDERGRADUATE



## CONTACT

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- Portfolio

## TECHNICAL SKILLS

- Programming Languages -**  
Python, Java, C++, JavaScript, TypeScript, C#
- Web Development -** HTML, CSS, React, NextJs, NodeJs, ExpressJs, Tailwind CSS, React Native
- Devops -**  
Docker, AWS, Linux, Terraform, CI/CD, Jenkins
- Version Control -**  
Git, Github
- Databases -**  
MySQL, MongoDB
- Tools and Libraries -**  
Figma, Visual Studio, IntelliJIdea, Postman, Jupyter, Jira



## PROFILE

A Computer Engineering undergraduate passionate about Software Engineering, aims to apply technical skills and innovative thinking to cutting-edge projects while eagerly learning new technologies in a collaborative and forward-thinking team.



## EDUCATION

- BSc Hons. Computer Engineering (UG)** 2022 - present  
Faculty of Engineering, University of Ruhuna  
**Current GPA:** 3.49 / 4.0
- G.C.E. Advancel Level in Physical Science** 2007-2020  
Richmond College, Galle  
AAA



## PROJECTS

- EV Charging Booking System** 2024 - PRESENT  
**Software Project**
  - The EV Charging and Booking System allows users to see the available charging stations near their live location and book a slot based on availability.
  - Used JWT authentication and **role-based access control (RBAC)** to secure user data and admin functionalities.
  - Users can select their preferred timeslot for charging in any station and book them.
  - Created a mobile app using React Native and the backend using Node.js with a MongoDB database.
  - Technologies used: React, Tailwind CSS, React Native, Node.js, MongoDB, Google Maps API, Git, GitHub, JIRA
- Hotel Booking and Managing System** 2024 Jan - 2024 March  
**Web Application**
  - Developed a web application using the MERN stack to manage hotel bookings, rooms, and user details.
  - This system allows users to perform CRUD operations for managing hotel bookings, rooms, and user details.
  - Designed a **role-based access control (RBAC) system** to ensure secure user authentication and authorization.
  - Technologies Used: React, Node.js, Express.js, MongoDB, Tailwind CSS, JWT Authentication, Git, GitHub, JIRA, GitHub Actions.

# SOFT SKILLS

- Project Management
- Problem Solving
- Teamwork
- Time Management
- Leadership
- Presentation Skills
- Critical Thinking
- Public Realtions

# VOLUNTEERING

- Volunteered at Eminence 4.0 as a Logistics Team member in the organizing committee. Learned to cooperate as a team while solving time-critical problems.
- Volunteered at Mehewara, which is a project organized by the Faculty of Engineering at the University of Ruhuna to conduct Mathematics seminars to rural O/L students.

# REFERENCES

Dr. Iromi Ranaweera,  
Senior Lecturer,  
Faculty of Engineering,  
University of Ruhuna.  
**Email:** iromi@eie.ruh.ac.lk

Dr. Prabath Weerasinghe,  
Senior Lecturer,  
Faculty of Engineering,  
University of Ruhuna.  
**Email:** weera@eie.ruh.ac.lk

## Portfolio Website

2024 Jan - 2024 March

### Web Application

- A personal portfolio website built with Next.js to showcase my projects and skills.
- Added smooth scrolling and animations using Tailwind CSS.
- Designed and developed a responsive website that is optimized for any device.
- Implemented **light and dark mode** for better user experience and accessibility.
- Technologies used: Next.js, React, Tailwind CSS, JavaScript

## Car Rental System

2024 Jan - 2024 March

### MySQL Application

- Created a **2NF schema** to ensure consistent, non-redundant data.
- Used advanced SQL operations, including joins, unions, nested queries, and aggregates for efficient data management.
- Executed full outer joins, Cartesian products, and **nested queries** to retrieve required information.
- Technologies used: MySQL, Visual Paradigm

## Mushroom Classification System

2024 Sep - 2024 Dec

### Machine Learning

- Developed a machine-learning model to classify mushrooms as poisonous or edible based on their characteristics
- Used a Decision Tree algorithm, achieving **99.63% accuracy and 99.49% precision** on the dataset.
- Performed data preprocessing and feature engineering using Pandas to handle categorical variables.
- Implemented and tested the model in Google Colab, leveraging cloud-based computing resources.
- Technologies Used: Python, Scikit-learn, Pandas, Matplotlib, Seaborn, Google Colab.



# LICENSES AND CERTIFICATIONS

- Object-Oriented Programming - Udemy
- Docker For Beginners - KodeKloud
- Supervised Machine Learning - Stanford University - Coursera
- Unsupervised Machine Learning - Stanford University - Coursera
- Advanced Learning Algorithms - Stanford University – Coursera
- Data Science Tools - IBM
- Python Intermediate - Computer Science Engineering Department, University of Moratuwa
- Data Science 101 - IBM
- SQL Intermediate - SoloLearn

I hereby confirm that the information provided above is true and accurate to the best of my knowledge.  
Chaveen Dias.