CHAVEEN DIAS

B SC. HONS. COMPUTER ENGINEERING UNDERGRADUATE

CONTACT

+94 77 1580 760

chaveendias@gmail.com

chaveen-dias

chavee716

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, IntellijiIdea, 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.
- 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

To Do List Tracker 2025 Jan- 2025 Feb
Devops/ Web Application

- Built a **CI/CD pipeline** using Jenkins to automate the process of building Docker images for frontend and backend services.
- Designed and implemented creating the server instance using **Terraform** to create the automation of creating **AWS EC2.**
- Configured Docker Hub integration to pull and run the latest images on EC2 instances using Jenkins.
- Technologies used: Docker, Docker Hub, Git, GitHub, Node.js, Express.js, React.js, AWS EC2, Jenkins, Terraform

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

Hotel Booking System and Managing System
Web Application 2024 Jan - 2024 March

- 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.
- Implemented a CI/CD pipeline using GitHub Actions to build docker images.
- Technologies Used: React, Node.js, Express.js, MongoDB, Tailwind CSS, JWT Authentication, Git, GitHub, JIRA, GitHub Actions.

Car Rental System
MySQL Application 2024 Jan - 2024 March

- 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
Machine Learning 2024 Sep - 2024 Dec

- 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

- 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
- Object-Oriented Programming - Udemy
- SQL Intermediate - SoloLearn

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