

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)** 2021 - 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 (Web application + mobile application according to client requirements)
 - 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** to secure user data and admin functionalities.
 - Users can **see charging stations** based **on their real-time location** and select their preferred timeslot for charging in any station and book them.
 - Used **JIRA to see our progress** through **each Sprint**.
 - 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
 - Allows users to book hotels and add their hotels to the app and manage them.
 - Used **pagination and lazy loading** to reduce the delay when the web application is loading.
 - Added **advanced search functionality with filtering and indexing capabilities** to enhance user experience.
 - Designed a **role-based access control system** to ensure secure user authentication and authorization.
 - Technologies Used: React, Node.js, Express.js, MongoDB, Tailwind CSS, JWT Authentication, Git, GitHub.

SOFT SKILLS

- Problem Solving
- Project Management
- 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.
- Implemented **light and dark mode** for better user experience and accessibility.
- Integrated **a backend email service** enabling direct visitor communication through my portfolio website.
- Designed and developed a responsive website **that is optimized for any device**.
- 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 the required information.
- Reduced the time up to **2-3 seconds** for Database Queries on average **through indexing**.
- Technologies used: MySQL, Visual Paradigm

To-Do List Tracker Web App With a CI/CD Pipeline

2024 Sep - 2024 Dec

Web Application + DevOps

- DevOps pipeline implementation for a To-Do List 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**.
- Technologies Used: Jenkins, Docker, Git, Terraform, AWS EC2, React, MongoDB.



LICENSES AND CERTIFICATIONS

- Object-Oriented Programming - Udemy
- Web Designing - Computer Science Engineering Department, University of Moratuwa
- SQL Intermediate - SoloLearn
- 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

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