





# RAVINDYA JAYASOORIYA




## PROFILE

I am a dedicated and determined graduate, known for my strong work ethic and teamwork abilities. With a passion for continuous self-improvement, I am eager to leverage the knowledge and experience gained from my university education and internships in a challenging career. My goal is to contribute to the success of an organization while furthering my professional development.

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 <https://github.com/Ravindya>

## TECH STACK

### Programming | Expression Languages

- Java
- ECMAScript
- TypeScript
- SQL
- XML
- JSON
- YAML
- Markdown
- HTML
- CSS
- SCSS
- RegExp
- Jakarta EL
- SpEL

### Back-end Frameworks and Libraries

- Java SE
- Jakarta EE (Glassfish, Tomcat)
- Spring Framework
- Spring Boot
- Spring Security
- Spring Data
- Node JS
- Express JS
- Java FX
- Jackson Data Bind
- JUnit 5
- Java Faker



## EXPERIENCE

### TRAINEE SOFTWARE ENGINEER

ISE (Pvt) Ltd | Jan 2024 - Present

#### ProtoPlaza E-Commerce Platform

A seamless purchasing experience is the goal of **ProtoPlaza**, an end-to-end e-commerce platform. Key features included Customer Management and authentication, product browsing with detailed descriptions, shopping cart management, order processing, and secure payment integration.

**Contribution:** Implemented Address & Contact Management and Wishlist services for an enhanced e-commerce experience.

**Technologies:** [Spring Boot](#), [Spring Security](#), [Spring Data](#), [Hibernate JPA](#), [Hibernate Validator](#), [PostgreSQL](#)

#### PeakCare Medical System

**PeakCare Medical** is an all-in-one healthcare management system tailored for clinics and hospitals. It features functionalities for managing patient records, scheduling appointments, tracking medical history, processing billing, and handling insurance claims. With a focus on secure data handling and comprehensive analytics, the system enhances operational efficiency and improves healthcare management.

**Contribution:** Frontend

**Technologies:** [React JS](#), [React Hook Forms](#), [React Router](#), [Axios](#), [Vite](#)

### TRAINEE CIVIL ENGINEER

International Construction Consortium (PVT) Ltd. | Jan 2022 - May 2022

- Faculty of Computing & Technology project (FOCT)
- Colombo International Airport Hotel project (CIAH)



## PROFESSIONAL MEMBERSHIPS

- **Institution of Engineers Sri Lanka (IESL)** | Nov 2021 - Present  
Student Member (Membership No: S-28411)
- **American Society of Civil Engineers (ASCE)** | Nov 2021 - Present  
Student Member (Registration No: 00012282953)

Front-end Frameworks and Libraries

- Firebase
- Web API
- jQuery
- Axios
- Angular
- RxJS
- ReactJS
- React Router
- React Hook Form
- Tailwind CSS
- Bootstrap
- Foundation
- Google Material Web
- Bulma
- MaterializeCSS
- UIKit
- Animate.css
- Normalize.css | Reset CSS
- Google Fonts
- Font Awesome | Ionic Icons | Bootstrap Icons | Google Material Icons

Tools | IDEs

- Git & GitHub
- gcloud & Google Cloud Platform
- Lombok
- Maven
- Gradle
- npm
- pnpm
- Docker & DockerHub
- Docker Compose
- Postman
- Mockoon
- Slack | Discord
- IntelliJ IDEA
- Visual Studio Code
- Data Grip



EDUCATION

BACHELOR OF SCIENCE, ENGINEERING (HONS)

Department of Civil Engineering  
University of Peradeniya | Dec 2018 – Dec 2023  
Second Class Honours (Upper Division)  
GPA : 3.3 / 4.0

GCE ADVANCED LEVEL

Galahitiyawa Central College, Gampaha | 2017  
Results- Combined Mathematics A, Physics A, Chemistry B

DIPLOMA IN INFORMATION TECHNOLOGY (DITEC)

ESOFT Metro Campus, Gampaha | 2017  
Successfully Completed



ACADEMIC PROJECTS

MULTI-DISCIPLINARY DESIGN PROJECT

Design of Muti-purpose Conventional Hall for University of Peradeniya

- Conceptual design, Architectural design and Structural design

RESEARCH

Seismic Performance of Steel Hollow Building Column under Combined Fire and Cyclic Loading: A Coupled Thermo Numerical Approach

- Assessed seismic performance of steel hollow building column using combined CFD fire simulations and FE analyses, enhancing understanding of structural response to fire combined with cyclic load.
- **Contribution :** Fire Modelling (PYROSYM)  
Coupling using FDS2FEM tool - (Python based tool)



PUBLICATIONS

Seismic Performance of Steel Hollow Box Column Under Fire Loading for Different Slenderness Ratio Using Pushover Analysis

- Submitted a conference paper for the 10th international symposium on advances in civil and environmental engineering practices for sustainable development

Seismic Performance of Steel Hollow Box Column Under Combined Effect of Fire and Cyclic Loading: Thermo-Mechanical Numerical Approach

- Submitted a conference paper for Peradeniya University International Research Sessions (IPURSE 2024)

- phpMyAdmin
- pgAdmin
- MongoDB Compass
- FX Scene Builder

## DBMS

- PostgreSQL
- MySQL
- MariaDB
- MongoDB

## OS

- Linux
- Windows
- Mac OS

## PERSONAL SKILLS

- Team work
- Leadership
- Conceptual and analytical skills
- Effective interpersonal skills
- Punctuality
- Communicative
- Creativity
- Loyalty
- Initiative
- Fast learner
- Adaptability

## INTERESTS

- Karate
- Painting
- Management
- Volunteering
- Listen music
- Debating



## ACHIEVEMENTS

### Prof. Nimal Seneviratne Awards for Best Civil Engineering Projects in 2023 (E17) - for Materials and Structural Engineering

Awards - Bachelor of the Science of Engineering Honours | 2024

### M.P.Ranaweera Prize for Computer Aided structural Design

Prizes & Medals - Bachelor of the Science of Engineering Honours | 2024

### Karate - Orange Belt

Galahitiyawa Central College | 2013



## EXTRA CURRICULAR ACTIVITIES

### Karate

Galahitiyawa Central Collage | 2008 - 2014

- Team member
- Competed in several regional tournaments

University of Peradeniya | 2019 - 2023

- Faculty Representative of Karate Team | 2022
- Team member
- Competed in and won Inter-Faculty tournaments

### Explores Club

University of Peradeniya | 2019 - present

- UEC Membership No: UEC/18/51
- Junior Member | 2019 - 2021
- Senior Member | 2021 - Present
- Organizing Committee member - PeraChamps event
- Gained experience in map reading, first aid, hiking , exploring , organizing events , leadership and teamwork

### University Literature Committee

University of Peradeniya | 2019 - 2020

- Faculty Representative
- Organized **WASANTHAYE AGA** Musical show



## NON RELATED REFEREES

### Mr. PRASAD WADUGE

CEO,  
Institute of Software Engineering,  
No: 223A 1/2,  
Galle Road,  
Panadura,  
Sri Lanka.  
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### Dr. J. A. S. C. JAYASINGHE

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I do hereby certify that the particulars furnished here are true and accurate.

Ravindya Jayasooriya