



# RAVIN SAMUDIKA

## TRAINEE SOFTWARE ENGINEER

Seeking Trainee Software Engineer position to develop and innovate software solutions while contributing to a collaborative team environment.

### CONTACT

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Negombo

### EDUCATION

**BSc (Hons) Information Systems**  
Rajarata University of Sri Lanka  
2020 - Reading

### TECH SKILLS

React Js .NET Core Spring boot  
Javascript Java Python  
Bash PHP MySQL  
Bootstrap Material-ui Linux  
Firebase Git C#  
RestAPI Figma Css  
AWS EC2 AWS S3 Docker

### SOFT SKILLS

Problem-solving Time management  
Leadership Creativity  
Team work Can do attitude

### WORK HISTORY

#### Full Stack Engineer - Internship

Tassei Tech, Pannipitiya, Sri Lanka February 2024 - present

Please visit: [www.tassei.tech](http://www.tassei.tech) for further details

- Collaborated effectively with members of the development team and in other departments
- Got a lot of exposure to ERP systems
- Gained Knowledge about a real-time betting strategy optimization system using big data technologies and machine learning.
- Troubleshooting and resolving sensitive production issues
- Delivered project reports and milestone updates to the supervisor
- Was able to Improve code quality & standards since getting great support from Senior Software Engineers

### PROJECT HISTORY

#### Payroll Management System

2024

- Contributed to the accounting, and human resource management sections of the platform, resulting in a 60% increase in overall understanding of the company's domain knowledge
- Initiated the project from scratch and managed both the frontend and backend development
- Frontend - ReactJs, Redux toolkit, JWT authentication, Reusable Components, Translation context(i18next), React hook form, CSS frameworks(TailwindCss), Ui Library(Moon design system)
- Backend - .Net Core, Clean architecture, JWT authentication, Entity Framework, Microsoft SQL Server as Db
- Other tech - Git, Datadog, Cloudflare

#### Personalized Betting System using Python

2024

- Developed a comprehensive personalized betting system leveraging machine learning and data analysis techniques to provide tailored betting recommendations.
- Programming Languages: Python
- Data Handling: Pandas, NumPy, Surprise
- Data Visualization: Matplotlib, Seaborn
- Database Connectivity: PyODBC, MySQLdb
- Machine Learning: Scikit-learn (Cosine Similarity, KMeans Clustering, DBSCAN Clustering)
- Covered a wide range of areas within betting systems, including data extraction, preprocessing, trend analysis, user segmentation, and personalized recommendations

## INTERESTS

Tech

Movies

Photography

Travel

## REFERENCE

Gerad Sanjaya Niroshan  
Senior software engineer  
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## Fleetway System

2024

- Route Optimization System
- System helps businesses plan the most efficient routes for their vehicles
- Frontend - ReactJs, Redux toolkit, JWTauthentication, Reusable Components, React hook form, CSS frameworks(TailwindCss), Ui Library(Flowbite)
- Backend - .Net Core, Microservice architecture, Ant colony optimization, JWTauthentication, MongoDB as Db
- Other tech - Git,Datadog

## UNIVERSITY PROJECTS

### QFIT Management System

2024

- Qfit Management system Help to manage Gym member and staff information and payment Information of Gym members. Admin can get a summary of the gym's financial levels, etc...
- Membership payment is done by using a QR Code
- Frontend - ReactJs, Redux toolkit, JWTauthentication, Reusable Components, React hook form, React QR reader, CSS frameworks(TailwindCss), Ui Library(Flowbite)
- Backend - .Net Core, Microservice architecture, JWTauthentication, Entity Framework, Microsoft SQL Server as Db
- Other tech - Git, Netlify, Google Cloud
- Demo: [gfit-management.netlify.app](https://gfit-management.netlify.app)

### HOUSE GUIDER

2024

- Front-end - React JS.
- Back-end - Firebase.
- RestApi CRUD Operations Implemented.
- Sign in and Sign up, Using Google Auth from Firebase.
- Firestore data modeling, collections, and documents help with real-time data updates.
- Used Git for push to GitHub Repository.
- The site was hosted in Netlify.
- <https://houseguider.netlify.app/>

### STUDENT MANEGEMT SYSTEM

2023

- Led a team of three developers as the back-end developer,
- Student Data Management ,Timetable Management, Fee Management kind of Sub systems have in this project.
- RestApi CRUD Operations Implemented using Spring Boot.
- Used MySQL Database

### REV UP YOUR RIDE

2021

- Front-end HTML,CSS.
- Back-end PHP.
- It serves as a platform where users can explore detailed information about various bike products, make reservations, and access essential details about our bike garage services.