

MIHIN RATNAYAKE

SOFTWARE ENGINEER



SKILLS

Java
Python
HTML
CSS
JavaScript
SQL
Kotlin
PHP
AWS
Firebase
Data Structures

EDUCATION

BACHELOR OF ENGINEERING: SOFTWARE ENGINEERING

University Of Westminster
2021 – 2024

- Concurrent Programming
- Object Oriented Programming
- Web Development
- Data Structures & Algorithms
- Database Systems
- Machine Learning

G.C.E A/L
S. Thomas' College
2017 – 2019

- Mathematics

G.C.E O/L
Vidura College
2006 - 2016

REFERENCES

Mr. Dushmantha Bandara

Head of Service Delivery | Lead ERP
Consultant | IFS Certified
Practitioner Enterprise Analytics
Tel: +94 773 658 472
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Mr. Hasaru Rajapakse

Senior Lead Software Engineer
Enterprise Analytics | IFS R&D
Finance
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SUMMARY

Software Engineer with a strong foundation in Java, Python, and database management, complemented by expertise in cloud technologies and machine learning. Experienced in software customization, system enhancements, and full-stack development. Passionate about problem-solving, innovation, and delivering scalable solutions. Proven leadership as a house captain and badminton captain, with excellent team collaboration and communication skills.

Portfolio: <https://mihinratnayake.pythonanywhere.com>

PROFESSIONAL EXPERIENCE

ASSOCIATE SOFTWARE ENGINEER

Enterprise Analytics | 2022–2023

- Gathered requirements for software customizations by evaluating existing capabilities and researching enhancements to meet customer needs.
- Implemented new features and modified existing code to achieve functional improvements.
- Followed software development methodologies by documenting technical specifications, code changes, and key decisions.
- Ensured seamless communication by informing customers about development progress, issues, and alternative solutions.

SQL, PL/SQL, Aurena, Azure, Bitbucket, GitHub, Jira, Power BI

PROJECTS

MOVIE RECOMMENDATION SYSTEM BASED ON EMOTIONS

- Developed a hybrid ML-powered application that uses image processing and Convolutional Neural Networks (CNN) to detect user emotions and provide personalized movie recommendations using advanced machine learning concepts to enhance user engagement.

Machine Learning (CF, CBF), CNN, Flask, Node.js, MySQL, EJS, JavaScript, HTML, CSS, Python

A TECHNICAL QUESTION AND ANSWER WEB APPLICATION

- Developed a dynamic e-commerce website for sports equipment, featuring CSS-based navigation, a query form with JavaScript validation, and a section for automated product price calculations. Utilized forms, buttons, and menus to provide a responsive and user-friendly interface.

CodeIgniter, PHP, Backbone.js, JavaScript, PhpMyAdmin, AJAX, jQuery, REST API, MYSQL, JSON, UI/UX.

For more projects: <https://github.com/Mihinr>

LEADERSHIP AND EXTRACURRICULARS

- Badminton Captain - IIT (2024)
- House Captain - IIT (2024)
- Badminton Captain - Vidura College (2014 - 2016)
- Scout Troop Leader - 69th Colombo Vidura College (2014 - 2016)
- Athletics – S. Thomas' College (2017 - 2019)
- Chess - Vidura College (2009 - 2014)
- Rotaract Club – IIT (2020 - 2024) & Colombo West (2024 - Present)