Chamali Ranawake

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in www.linkedin.com/in/chamali-hirunika

www.github.com/ChamaliHirunika

www.chamaliranawake.github.io

www.hackerrank.com/Chamali_Hirunika

🛠️ Technical Skills

Programming Languages

- Java
- C++
- Python
- C

Web Development

- HTML5
- CSS 3
- JavaScript

Database

- MySQL
- Ms SQL
- MongoDB

About Me

I am a highly motivated individual with a passion for coding and problem-solving. I have a solid foundation in information technology, programming principles, and software development methodologies.
I am eager to apply my skills and knowledge to real-world projects and to work collaboratively with other professionals in the field. With a strong work ethic, attention to detail, and a dedication to continuous learning, I am committed to deliver high-quality results and exceed expectations.

Experience

Jan 2023 - July 2023 | Trainee Software Engineer (R&D) Synopsys Lanka (Pvt) Ltd , Sri Lanka

- Got hands-on experience in software development.
- Worked on Verdi Software's Motif dialogs to Qt dialogs conversion.
- Worked with Perforce for version control and Jira for project management.
- Implemented dialogs for Verdi Software using Qt and C++
- Got hands-on experience on regression testing.

Tech stacks - C++, Motif, QT, Perforce, GVIM, Gedit, Vs code,DXR, testing (regression) ,Eagle, PCI Builder, Jira, Code Collaborator, GDB/ DDD, Qt designer , Qt creator

Education

2020-Present | University of Moratuwa, Sri Lanka

BSc.(Hons.) in Information Technology

- CGPA - 3.56
- Dean's list in 1st (SGPA- 4.0) and 3rd semester (SGPA - 3.84)

2018 | Badulla Central Collage

G.C.E. Advanced Level Examination - Biological science

- ABB | Z- score- 1.5734

G.C.E. Ordinary Level Examination

- A9

Projects

2024- Present | ANALYSIS OF USER ENGAGEMENT AND BEHAVIOUR IN TIKTOK IN SRI LANAK BY USING MACHINE LEARNING
(Final Year Research Project)

The research is based on enhancing the understanding of user engagement and behaviour on TikTok in Sri Lanka. This study focuses on developing and implementing predictive models to analyze and forecast user engagement patterns, sentiment, and trending engagement forecast, thereby contributing valuable insights for content creators, platform developers, and marketers.

Technologies & tools - Python , Pandas, Numpy

2024- Present | VERDI QT PORTING PROJECT
(Internship main project)

Involved in Synopsys global project of converting Verdi Software's frontend framework from Motif to Qt.

Technologies & tools - C++, Motif, QT, esting (regression)

Frameworks & Libraries

- React JS
- Angular JS
- Spring Boot
- Spring Data (JPA, JDBC)
- Bootstrap
- Node JS
- QT
- Motif

Version controlling

- Git /Git Hub
- Perforce

Build Tools

- Apache Maven

IDEs

- Visual Studio Code 2022 , Gedit
- Jupyter notebook , Google Colab
- Atmel Studio 7.0
- NetBeans IDE
- IntelliJ IDEA

Operating systems

- Windows
- Ubuntu

Others

- Postman
- Figma

Soft Skills

- Problem-solving
- Good team player
- Goal Oriented
- Hard working
- Fast learner

Interests

- Badminton
- Drawing and painting
- Music
- Nature

2023 | MOVIE RECOMMENDATION SYSTEM
(Machine learning & data mining project)
Python-based Movie Recommendation System with a user-friendly interface, enabling personalized movie suggestions. Developed algorithms to analyze user preferences.
Technologies – Python, HTML5, CSS3, JavaScript

2022 | SMART OFFICE, SCHOOL TRANSPORT, AND PASSENGER MANAGEMENT SYSTEM
(Group Project)
A web and mobile-based application that provides a better interface for registering passengers and managing the vehicle rental facility and daily transportation of school students and employees in the organization.
Role – Driver registration (Full-stack) Vehicle rent system, Driver profiles
Technologies – React, NodeJs, MongoDB, Express JS (MERN Stack), Bootstrap, React Native(Mobile application) HTML, CSS, JavaScript

2021 | MEET YOUR DOCTOR WEB APPLICATION
(Group Project)
A web-based platform that provides a better interface for enrolling doctors to channeling centers and hospitals that offers an appointment facility to channel doctors at the convenience of time and location.
Technologies – Angular, NodeJs, MongoDB, Express JS (MERN Stack), CSS, Bootstrap

Achievements

Dean's list
University Of Moratuwa , Faculty of Information Technology ,Sri Lanka
1st semester - SGPA- 4.0 3rd semester - SGPA - 3.84

LevelUp – 2023 – Participant
Organized by, Synopsys, Sri Lanka

Hack Moral contest – 2021 & 2022– Participant
Organized by INTECS, Faculty of Information Technology, University of Moratuwa

FIT CODERUSH – 2020 – Participant
Organized by INTECS, Faculty of Information Technology, University of Moratuwa

References

Dr. A.L.A.R.R. Thanuja
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