Umesha Samarakoon

SE Undergraduate

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in Umesha Samarakoon ⌂ Umesha Samarakoon

PROFILE

I am a SE undergraduate with a solid foundation in software development principles and methodologies and hands-on experience in various programming languages and tools. Possesses a solid understanding of software engineering principles such as object-oriented concepts, relational databases, web technologies, software architectures, and programming languages. Demonstrates a keen interest in exploring emerging technologies and their application to real-world problems. A proactive learner with a collaborative mindset, eager to contribute to dynamic teams and drive impactful projects forward. I am excited to take an opportunity to leverage academic knowledge and practical skills to make meaningful contributions in the field of software engineering.

EDUCATION

BEng(Hons) Software Engineering   01/2023 – present
University of Westminster

Software Engineering Principles and Practice	77
Software Development Group Project	68
Computer Systems Fundamentals	93
Database Systems	80
Mathematics for Computing	87
Object-Oriented Programming	80
Software Development I	88
Web Design and Development	77
Trends in Computer Science	71

Foundation Certificate in Higher Education   05/2022 – 12/2022
Informatics Institute of Technology
Completed with a Distinction pass

G.C.E. O/L Examination   05/2022
Pushpadana Girls' College, Kandy
Completed with 8As & 1B

PROFESSIONAL EXPERIENCE

QA Internship   05/2024 – present
Venturit Inc, United States

Key Responsibilities & Achievements
- **Manual Testing**: Executed test cases for web applications, detecting and reporting software bugs and inconsistencies.
- **Created Test Cases**: Developed extensive test plans and scenarios based on functional specifications and user needs.
- **Regression testing** : Validated and corrected bugs and guarantee that no new issues were introduced during updates.
- **Performance testing** : Ensured the best performance of the web applications.
- **Test Automations:** Automated the performance testing with python automation script with selenium.
- **Testing tools**: Used tools such as JIRA for bug tracking and Confluence for documentaion.
- **Collaborated with development team**: Worked simultaneously with product developers efficiently to enable rapid bug resolution.

PROJECTS

Maintenex - Vehicle Companion   09/2023 – 03/2024
Software Development Group Project
Maintenex is a mobile app built with Flutter and Firebase, offering users streamlined vehicle maintenance tracking and management features, including service history, reminders, mileage tracking, and fuel usage monitoring.

Technical Skills - Software Engineering principles, Object-oriented concepts, Relational database management, Agile SDLC, Dart, Firebase

Sliding Puzzle Path Finder- Algorithm   2024
Individual Project
Implemented an algorithm which finds the shortest path in a given puzzle with the help of data structures and using Dijkstra's algorithm.

Technical Skills - Java, Java Data Structures&Algorithms, Software Engineering principles,

Melodeez - Web Project   2023
Web Development Group Project
Melodeez is a music-themed web page crafted with HTML, CSS, and JavaScript, providing users with a platform to discover and enjoy music.

Technical Skills - HTML, CSS, JavaScript, Web technologies

Westminster Shopping Manager   2023
Individual Project
Developed a Java application where administrators can add products. Additionally, I have created a user-friendly GUI for customers to browse and purchase these items using Swing.

Technical Skills - Java, Object-oriented programming, Swing

Queue Management System   2023
Individual Project
The Queue Management System is a Java project with a JavaFX user interface, designed to streamline and optimize queuing processes for improved customer service efficiency.

Technical Skills - Java, JavaFX

Web Tracking and Recommendation Tool
Individual Backend Project
Developed a production ready API tool for providing product recommendations to users by developing an algorithm to track user interactions including functionalities like login, authentication and purchasingof products using Node.js for backend implementation.

Technical Skills - Node.js, Express.js, MongoDB, Jest & Supertest (Unit Testing)

SKILLS

Programming Languages   **Web Development**
Python, Java   HTML, CSS, JavaScript, Node.js, Express.js, PHP

Mobile App Development   **DBMS**
Flutter   MySQL, MongoDB

Soft Skills
Team Working, Time Management, Problem
Solving, Hard Work, Communication Skills

REFERENCES

L.M.R.P.Ariyaratne, *Manager,* Bank of Ceylon, Kurunegala
rajitha.pcd@gmail.com, +94766909075

Hiruni Samarage, *Assistant Lecturer,* Informatics Institute of Technology
hiruni.s@iit.ac.lk, +94768209721

DECLARATION

I hereby declare that all the information provided in this Curriculum Vitae is true and accurate to the best of my knowledge. I understand that any misrepresentation or omission of facts may result in disqualification from consideration for employment or, if already employed, termination from service.

Umesha Samarakoon
05/07/2024