

Ayeshmantha Wijayagunethilake

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Educational Qualifications

University of Sheffield - MSc Advanced Computer Science Sept 2022 – Sept 2023

- **Relevant modules include:** Object Oriented Programming and Software Design, Software development for mobile devices, Testing and Verification in Safety-Critical Systems, Machine Learning and Adaptive Intelligence and Software Reengineering.
- **Dissertation Project Title:** Music generation from Euclidean rhythms.
 - **Technologies** – C++, JUCE
- **Volunteering/Leadership Positions:**
 - Academic Representative for the MSc in Advanced Computer Science course.
 - Faculty Representative for the Department of Computer Science.
 - Post Graduate Representative for the Computer Society.

University of Westminster – BEng(Hons) Software Engineering Sept 2018 – Jul 2022

- **Grade:** First Class Honours with Industrial Placement (Zone24x7 Pvt Ltd, Sri Lanka)
- **Relevant modules include:** Programming Principles I & II, Web Design and Development, Database Systems, Server-side Web Development, Algorithms; Theory Design and Implementation, Advanced Server-Side Web Programming and Concurrent Programming.
- **Dissertation Project Title:** AutoMID : A Novel Framework for Automated Medical Image Diagnosis.
 - **Technologies** – Python, Flask, AutoGluon, MxNet
- **Volunteering/ Leadership Positions:**
 - Member of the Blockchain Research Group
 - Finance Director of IET Club of IIT
 - Academic Representative for the Concurrent Programming Module
 - Peer Support Mentor for the Programming Principles 2 module
 - Director of Media of Mozilla Campus Club

Lyceum International School, Sri Lanka

2004 – 2018

- Cambridge A Levels – Physics(B), Mathematics(B), Chemistry(B)
- Cambridge GCSE O Levels – Physics(A*), Mathematics(A), Computer Science(A), Biology(A), Chemistry(A), English Language(A), Environmental Management(A), Literature in English(B)
- **Volunteering/ Leadership Positions:** Senior Prefect, Head Traffic Warden, Treasurer of the Christian Association of Lyceum
- **Sports:** Swimming, Western Band, Orchestra, Scouting & Cubbing, Scrabble

Work Experience

Trainee Associate Software Engineer, Zone24x7 Pvt Ltd, Sri Lanka – Placement Year

Jul 2020 - Jun 2021

- Contributed to the IBRAC project of Zone24x7. IBRAC is a recommendation system built for a retail chain.
 - Built pub-sub microservices with Apache Kafka and Spring Boot to receive recommendations produced by the system and publish them to be received by another

- microservice which was subscribed to the Kafka topic.
- Worked with a team of Software Engineers to build and maintain a Warehouse Operations Automation System for a reputed logistics company.
 - Performed changes to the application based on the requests made by the client.
 - Performed pair programming alongside the senior software engineer to add new functionality to the application based on the requirements documents.
- **Technologies** - Java, Spring Boot, Apache Kafka, MongoDB

Software Engineer Intern, Lanka Hospitals PLC, Sri Lanka – Summer Internship

Jun 2019 - Sep 2019

- Developed a .Net 3.5 application using C# which would produce reports of the attendance of support staff based on the fingerprint scanned at the entrance. This application was extended for the nursing department as well.
- Developed 1 Asp.Net application which was a phone book that was used by upper levels of the organization and hosted on the hospital owned server.
- **Technologies** – C#, .Net, ASP.NET, HTML, CSS, JavaScript

Professional Qualifications

Chartered Institute of Management Accountants

- CIMA Certificate in Business Accounting - January 2021
- CIMA Diploma in Management Accounting – July 2021

Research Publications

- Published a research paper titled AutoMID : A Novel Framework For Automated Computer Aided Diagnosis Of Medical Images in the ICAAI 2022 conference held on the 22nd of October 2022 in Birmingham, United Kingdom.
 - <https://dl.acm.org/doi/10.1145/3571560.3571571>

Interests

Data Science

- Studying online courses to learn the concepts of data science via platforms such as Udemy and O'Reilly learning.

Dynamic Programming

- Interested in studying different algorithms to optimize code and make more efficient programs.

Additional Information

Programming Languages – Java, C++, C#, Python, HTML, CSS, JavaScript

Programming Frameworks – Spring Boot, .Net, Flask, Node.js, Angular

Databases – MySQL, Microsoft SQL Server, MongoDB

Languages – English (IELTS 8.0), Sinhala

References

Available upon request