



Bhagya Ariyaratne

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Professional Experience

Software Engineering Intern

Axiata Digital Labs

12/2022 - Present | Colombo, Sri Lanka

ADL is a large employee-owned, offers advanced telecom solutions in Sri Lanka, driving industry growth and innovation.

- Developed and maintained RESTful APIs using Java Spring Boot, MongoDB, and MySQL
- Utilized Postman for API testing and debugging, ensuring reliability and correctness.
- Collaborated with front-end developers to design and implement API endpoints
- Worked closely with product managers to gather requirements and create detailed technical specifications.

Mechanical Engineering Intern

National Water Supply and Drainage Board

10/2020 - 05/2021 | Kurunegala, Sri Lanka

NWSDDB is a government board responsible for managing water resources and providing water supply and drainage services in the entire country

- Collaborated on plant maintenance projects, ensuring optimal functionality and efficiency
- Contributed to pipeline designing initiatives, adhering to industry standards and regulations
- Involved in sewerage treatment plant designing, focusing on sustainable and environmentally-friendly solutions
- Acquired valuable knowledge and experience in water distribution, pipeline designing, and plant maintenance practices
- Assisted in project planning, cost estimation, and timely execution of deliverables to meet project objectives

Projects

- **Customer Relationship Management API Development**
 - Experienced in developing a Customer Relationship Management APIs using Java Spring Boot and integrating MySQL and MongoDB databases to ensure efficient and effective data management
- **The Complete SQL Bootcamp 2022: Go from Zero to Hero**
 - Read and write complex queries to a database using one of the most in demand skills - PostgreSQL. These skills are also applicable to any other major SQL database, such as MySQL
- **Design and Development of Coconut paring machine (Final Year Group Project)**
 - A coconut paring machine to remove the brown skin of the deshelled coconut to increase the safety, productivity and decrease the wastage.
- **Reversed Engineering project -Soldering Iron (Group Project)**
 - Reversed engineered the soldering iron to improve its usability.
- **Java Programming Masterclass covering Java 11 & Java 17**
 - Acquire essential java basics for transitioning to the Spring Framework, Java EE
- **Complete Web & Mobile Designer in 2022:UI/UX, Figma**
 - Andrei Neagoie (Founder of zerotomastery.io)
 - Daniel Schifano(Head of Product Design @ Up&Up)
- **Adobe Illustrator CC – Advanced Training Course (UDEMY | 2020)**
 - Daniel Walter Scott (Adobe Certified Instructor & Adobe Certified Expert)

Technical Skills

Java | SpringBoot | MongoDB | MySQL |

SolidWorks | Autocad | Ansys | CAD/CAM | FEA (Finite Element Analysis) | Fluid Mechanics

Soft Skills

Leadership Skills | Problem Solving | Creativity | Project Management | Communication Skills | Time Management

Education

Honours Degree of Bachelor of the Science of Engineering [Bsc Eng (Hons)] specialised in the field of Mechanical Engineering

University of Moratuwa, Sri Lanka

08/2017 - 07/2022

Passed G.C.E. Advanced Level with 3As for Combined Mathematics, Physics and Chemistry

Maliyadeva College, Kurunegala

08/2017 - 07/2022

Achievements

- IMECHE Sri Lanka group chairman's award for the project with the best entrepreneurship potential (Second place-2022)
- A member of the Taekwondo Team at the University of Moratuwa, achieving 3 belt promotions through commitment and skillful practice.
- Actively participated as a vocalist in the "Yathra" choir, representing the Classical Music Society at the University of Moratuwa during 2019.

Reference

Mr. D.M.B.T.B. Dissanayake

C.Eng., M.Sc.(Eng), MBA.(Hons), B.Sc.(Eng), M.I.E (Sri Lanka)

Greater Kurunegala Sewerage System,

National Water Supply and Drainage Board.

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Dr. A.K.L. Illesinghe

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