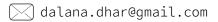
Dalana Dharmathilake

Computer Science Undergraduate | Software Engineer











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I'm a passionate software engineer currently pursuing my undergraduate degree. With a unique combination of technical skills and a passion for problem-solving, I'm dedicated to taking on new challenges and continually expanding my expertise in software development

EXPERIENCE

Software Engineer | The Al TEAM PVT. LTD.

Dec 2021 - Present | Part Time | Colombo, Sri Lanka

- Contributed to the fork of the open source pdf generation library ReactPdf and to the type racing platform Razor
- Write modern, performant, maintainable code for a diverse array of client and internal projects utilizing Angular, React, NodeJS, Flask & various other technologies
- · Mentored and guided an intern through completing a project, overseeing its planning, execution, and completion.
- Collaborated on the enhancement of a SaaS product for a client, optimizing its performance and efficiency through implementing web workers and algorithmic improvements.

Research Intern | UCSC - Cognitive Science & Time Series Lab Nov 2022 - May 2023 | Full Time | University of Colombo School of Computing, Sri Lanka

- Researched on time series modelling and anomaly detection domain
- · Improved my academic reading, writing and analytical skills through literature reviews and workshops.
- Worked with various machine learning and deep learning tools and frameworks including TensorFlow, scikit-learn, pandas, numpy and matplotlib

Software Developer - Intern | Nawaloka Hospitals PLC

April 2019 - March 2020 | Full Time | Colombo 2, Sri Lanka

- Developed and deployed a PWA using Angular, Node.js, and MongoDB for the patient triage process, facilitating the daily assessment of ~150 patients.
- Worked on the modernization of legacy Hospital Information System which is built with JavaEE, Oracle DB.
- Automated transfer of employee time sheets from the biometric devices to the HRMS. Which eliminated conflicts and reduced the synchronization time from ~4 hours to 5 minutes.
- Provided support in network/server deployments and other sys. admin tasks

EDUCATION

B.Sc. (Hons) in **Computer Science**

University of Colombo School of Computing Mar 2020 - Apr 2024 | Colombo Cum. GPA: 3.82 / 4.0

Post Graduate Dip. in IT

BRITISH COMPUTER SOCIETY Nov 2020 | Colombo iHEQ, Computing

SKILLS

Programming

Experienced:

Typescript • JavaScript Python • SQL • SASS

Familiar:

Java • Shell • C/C++ PHP • GoLang

Libraries & Frameworks

Experienced:

ReactJS • Angular • NestJS • NextJS • ExpressJS

Familiar:

Spring Boot • Hibernate • Flask • React Native • ThreeJS • OpenCV • VueJs • TensorFlow •

Tools & Platforms

Git • Linux • Docker • GCP Flectron • Firebase

PROJECTS

Heart Murmur Detection in PGCs | TENSERFLOW, LIBROSA, DEEP LEARINING 2023 (Ongoing) - CS Final Year Research

 Researching reconstruction-based approaches for detecting heart murmurs using hybrid deep learning models

Lumen | NodeJs, React, PostgreSQL, Electron, Azure 2022 - 3rd Year Group Project

- Lumen is a secure course delivery platform built to protect the intellectual works of online course providers/tutors.
- Utilizes DRM technologies like Widevine, and PlayReady through Azure Media Services.
- Advanced protection measures implemented through a desktop application.

Adoptee | PHP, MySQL, HTML, CSS, JAVASCRIPT 2021 - 2nd Year Group Project

- "Adoptee" is a web-based platform to connect the public with animal welfare organizations from all around Sri Lanka. which includes the functionality for doctors to conduct consultations online
- Developed using pure PHP without using any frameworks or libraries.

Zismith | NESTJS, ANGULAR, POSTGRESQL 2021 - Freelance Project

 Inventory & POS System built with Angular & NestJS for a leading flower shop in Colombo.

Helix | EXPRESSJS, EJS, POSTGRESQL 2020 - Freelance Project

• IT asset management platform to track assets through their life cycle with servicing records.

DocPad | NestJs, Angular, MongoDB, JavaEE, GraphQL 2019 - Freelance Project

• Digital prescription writing platform with customizable prescription templates which integrate with existing systems to aggregate patient information.

COMPETITIONS & AWARDS

1st Place @	Hacktitude by 99x - Development Hackathon	2022
2nd Place @	DevFest Hackathon by LSEG - Competitive Programming	2022
1st Place @	Cypher by KDU IEEE SB - Capture The Flag	2023
2nd Place @	Codefest Algothon by SLIIT - COMPETITIVE PROGRAMMING	2023
1st Place @	ACES Coders V10.0 - Competitive Programming	2023

CERTIFICATIONS

Continous Delivery & DevOps

COURSERA - JUN 2021
Credential ID: KAC9T8NMF2VJ

Azure Fundamentals - AZ-900

MICROSOFT - MAY 2021

EXTRA CURRICULAR

ACTIVITIES

Undergrad

Member - ACM SC of UCSC Problem Setter FOR REIDXTREAM, NOI & MADHACK Member - IFFE SB of UCSC

School

President - Computer Society Chief Editor -PHOTOGRAPHIC ART SOCIETY Coordinator -ASTRONOMICAL SOCIETY

INTERESTS

Astronomy • Photography • IOT • Robotics • Competitive Programming

REFEREES

Mr. Pasindu Wijesena

CEO, theAlTeam Pvt. LTD pasindu@the-ai.team

Dr. Manjusri Wickramasinghe

Senior Lecturer, University of Colombo School of Computing

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Mr. Indika Balasuriya

Head of IT, Nawaloka Hospitals PLC