**Dayan Madushanka Dias**

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**PROFILE**

Master’s student at Pace University specializing in software development with over 7 years of experience as a professional high caliber Naval Officer and over 2 years of experience in Java, DBMS, Multithreaded application and web technologies.

**EDUCATION**

**Pace University,** **Seidenberg School of Computer Science and Information Systems New York, NY**

Master of Science (MS) in Computer Science May 2021

**GPA:** 3.90

**University of Kelaniya,** **Faculty of Science Colombo, Sri Lanka**

Bachelor of Naval Studies in Maritime Warfare August 2015

**GPA:** 3.33 | **Honors:** Second Class (Upper Division) Honors

**RELEVANT COURSEWORK**

Mobile Web Development (Responsive Web Development) | Parallel and Distributed Computing (Multithreaded and client-server applications) | Concepts and Structures in Internet Computing | Database Management Systems | Data Mining | Algorithms and Computer Theory | Fundamental Computer Science I and II | Computer Systems and Concepts

**TECHNICAL SKILLS**

**Programming Languages:** JAVA, C++, Python, JavaScript, React.js, Ionic Angular

**Web Applications:** HTML5, CSS, XML, JSON, AJAX, Node.js, Express.js

**Operating Systems:** Windows OS, IOS, Android

**Database:** MySQL

**Software:**  Adobe Creative Cloud (Adobe XD, Acrobat), Microsoft Office (Word, PowerPoint, Excel,

Access), WEKA, GIMP

**ACADEMIC PROJECTS**

**Predicting Liver Infection in Blood Test Dataset** April 2020 – June 2020

* Analyze a dataset of ‘blood tests’ in WEKA data mining tool using different data models to develop a prediction regarding liver infection diagnosis based on various sanguineous factors.

**Responsive Web Development**

* Developed a responsive website using HTML, CSS and JS to display various projects I have completed individually and collaboratively.

**Development of Web based application**

* In the process of designing and developing a web-based application using React web framework to bring job seekers, employers and freelancers into a single platform, which will assist them in finding potential employers or employees ([git-repo](https://github.com/dayandias/Jobster_React.git)).

**EXPERIENCE**

**Sri Lanka Navy** **Sri Lanka**

Lieutenant, Staff Officer (Foreign Cooperation) July 2015 – September 2017

* Established MySQL databases for ‘Bilateral and multilateral engagements with foreign navies’ and ‘Galle Dialogue Maritime Symposium’, both which had various data of over 72 navies, which minimized 30% of time and effort, while maintaining data security and accuracy.
* Provided strategic consulting and political analysis for the Commander of the Navy in bilateral/multilateral engagements with other navies, which lead to acquire 4 ships and initiate bilateral engagements with 2 foreign navies.

Sub LieutenantJuly 2010 – July 2015

* Maintained highest naval professionalism while serving onboard various ships and craft in different capacities.
* Initiated and conducted more than 100 trainings for officers and sailors on emergency procedures and seamanship, which increased individual performance of personal by 23%.

**AWARDS**

**Sri Lanka Navy** ‘Sword of Honor’ for the best Midshipman and ‘Highest Aggregator’ of the intake of Naval Officers November 2012

**ACTIVITIES**

**Club Name:** Pace Computing Society, Member April 2020 – Present

**SKILLS**

Persuasion, Collaboration, Adaptability, Emotional Intelligence, Analytical Reasoning.