

# 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

<b>Programming Languages:</b>	JAVA, C++, Python, JavaScript, React.js, Ionic Angular
<b>Web Applications:</b>	HTML5, CSS, XML, JSON, AJAX
<b>Operating Systems:</b>	Windows OS, IOS, Android
<b>Database:</b>	MySQL
<b>Software:</b>	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](#)).

## 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 Lieutenant

July 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.