

# Bhanuka Mahanama

Ph.D Student, Old Dominion University, Norfolk, VA

@ bhanuka@cs.odu.edu

cs.odu.edu/~bhanuka

@mahanama94

757-510-7591

mahanama94

Tech enthusiast passionate about information retrieval, data science and machine learning, looking for summer internships in software development, information retrieval, data science and machine learning.

## EDUCATION

Ph.D in Computer Science

Old Dominion University

08/2019 - Present

Norfolk, VA

Bsc in Engineering (Computer Science & Engineering)

University of Moratuwa

01/2014 - 12/2018

Moratuwa, Sri Lanka

First Class Honors GPA: 3.83/ 4.2

Advanced Diploma in Management Accounting

Chartered Institute of Management Accountants (UK)

## EXPERIENCE

Old Dominion University

Graduate Research/Teaching Assistant

08/2019 - Present

Norfolk, VA

- Researching on use of eye tracking for gamification and disease detection/ classification.
- Grading and Evaluating computer science students

University of Moratuwa

Junior Consultant

01/2019 - 08/2019

Moratuwa, Sri Lanka

- Planning, coordinating, conducting and evaluating Computer Networks, Software Engineering and Industrial Computer Engineering practical sessions for undergraduates.
- Mentoring and supervising undergraduate software engineering and final year research and development projects.

Visiting Instructor

08/2018 - 12/2018

- Conducting and evaluating practical sessions for Computer Networks module.

Global Wavenet (Pvt) Ltd

Associate Software Engineer

01/2018 - 08/2018

Colombo, Sri Lanka

- Database development and optimization of MySQL clusters for applications with high throughput requirements.
- Development of plugin support for Data warehousing and Data analytics for existing telco products.

Trainee Software Engineer

06/2017 - 12/2017

- High availability application development using Erlang, Mnesia and MySQL cluster for telcos.
- Database design and optimization for MySQL cluster to support high throughput requirements.
- Front-End development using HTML, Javascript and Erlang.

## ACHIEVEMENTS

- Dean's list distinctions for academic performance of over 3.8 GPA in 6 semesters.
- Guru Edutainment Project of the Year (2016)
- Runners Up - CodeSprint (2016) - Inter University Hackathon
- Runners Up - Yaal Geek Challenge (2016) - Inter University Hackathon

## SKILLS

- Languages: Java, Python, JavaScript, Typescript, C++, Erlang, PHP
- Databases: MySQL (InnoDB, NDB Cluster), MongoDB, Mnesia, SQLite, Redis, Neo4J, Derby
- Libraries/ Frameworks: Spring, scikit, pandas, matplotlib, pytorch, AngularJS, Angular, Yaws, OTP, Symfony, Laravel, Cordova, Ionic
- IDEs/ Tools: IntelliJ, PyCharm, Visual Studio, WebStorm, PHPStorm, Git, SVN
- Development Platforms: Arduino, Raspberry Pi, Banana Pro
- Platforms: Linux, Windows

## PROJECTS

Data-Driven Instruction Strategies for Sri Lankan Schools

mahanama94.github.io/projects/data-driven-education

- The project intends to enhance the learning and teaching experience of the stakeholders in the Sri Lankan education sector through the use of data mining and machine learning techniques to generate insights.
- Python, Scikit-Learn, NodeJS, Angular, Orange

Wytboard

mahanama94.github.io/projects/wytboard

- Online collaborative tool brainstorming sessions with automated entity linking and web based suggestions
- NodeJS, Socket.io, NLTK

MySQL Monitor

mahanama94.github.io/projects/mysqlmon

- A tool for monitoring MySQL (NDB Cluster) for issues, errors and overloading and notifying users through subscribed services.
- MySQL, NDB Cluster, Erlang

Cordova Voice Plugin

github.com/mahanama94/cordova-voice-assist-plugin

- A Cordova Android plugin for voice commands and interactions through the Google Voice assist API.
- Ionic, Cordova, Android, Javascript