

BHANUKA MAHANAMA

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

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EXPERIENCE

Graduate Research/Teaching Assistant

Old Dominion University

📅 08/2019 - Present 📍 Norfolk, VA

- Planning, Coordinating, Conducting and Evaluating Computer Networks, Software Engineering and Industrial Computer Engineering practical sessions for undergraduates.
- Mentoring and supervising undergraduate software engineering projects.

Visiting Instructor, Junior Consultant

University of Moratuwa

📅 08/2018 - 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 projects.

Associate Software Engineer

Global Wavenet (Pvt) Ltd

📅 01/2018 - 08/2018 📍 Colombo, Sri Lanka

- Development and Maintenance of telco applications using Erlang and Javascript.
- Database development and optimization of MySQL clusters for high performance applications.
- Development of plugin support for Data warehousing and Data analytics for existing telco products.

Trainee Software Engineer

Global Wavenet (Pvt) Ltd

📅 06/2017 - 12/2017 📍 Colombo, Sri Lanka

- 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.

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

Advanced Diploma in Management Accounting Chartered Institute of Management Accountants (UK)

ACHIEVEMENTS

- Dean's list distinctions for academic performance in semesters 1, 2, 4, 6, 7 and 8.
- 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
- Libraries/ Frameworks: Spring, scikit, pandas, pytorch, AngularJS, Angular, Yaws, OTP, Symfony, Laravel, Cordova, Ionic
- Databases: MySQL (InnoDB, NDB Cluster), MongoDB, Mnesia, SQLite, Redis, Neo4J, Derby,
- Platforms: Linux, Windows

PROJECTS

Data-Driven Instruction Strategies for Sri Lankan Schools

- 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

Sheyar - Ride Sharing

- Cross-platform smart ride sharing application, consisting of a web application, mobile application and an embedded device monitoring the driving pattern of the driver.
- LAMP, MEAN, Cordova

Wytboard

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

Smart Car Park

- Smart parking and vehicle tracking system using automatic number plate detection.
- LAMP, Google Maps, Banana Pro, Python, OpenCV

PICNIC

- An AR and Image recognition-based game for children to improve their interactions with technology and environment.
- Unity3D