

Ashen M. Gunaratne

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experience

British College of Applied Studies

Lecturer

Colombo, Sri Lanka

July 2018 - Present

Instructor for *Pearson BTEC HND* in Computing; Responsible for level 5 specialist units: *Computer Systems Architecture, Data Structures and Algorithms, Discrete Mathematics, Network Management, and Network Security*.

Exetel PTY Limited

Network Engineer

Sydney, Australia

October 2016 - February 2017

Govern, implement, and troubleshoot real-time traffic steering policies to ensure critical application delivery, value-added services, and user quality of experience driving profitability of key deliverables in the digital data & device space in terms of revenue, users, traffic across 30 Gb/s data link.

IKON Systems (Private) Limited

Chief Information Officer

Colombo, Sri Lanka

January 2016 - October 2016

Direct and manage computing and information technology strategic plans, policies, programs, schedules, and responsible for advertising network's scalability, security, and capacity-planning.

education

Harvard College

Bachelor of Liberal Arts (A.L.B.)

Massachusetts, United States

June 2017 - September 2021

Computer Science; GPA 3.9 (as of May 2018)

Related studies in linear algebra, statistics and probability, and finance

Stanford University

MOOC

California, United States

October 2017 - November 2017

Studies in enterprise-level web application deployment with focus on security, reliability, scalability, and cross-browser support.

Harvard University

MOOC

Massachusetts, United States

January 2015 - December 2015

Studies in computer science for real-world domains of biology, cryptography, finance, forensics, and gaming.

Université Catholique de Louvain

MOOC

Charleroi, Belgium

January 2015 - November 2015

Studies in major programming concepts, techniques, and paradigms in a unified framework.

The University of British Columbia

MOOC

Vancouver, Canada

January 2015 - October 2015

Studies in computation as a tool for systematic problem solving in non-computer-science disciplines.

Lakeland Inter-American School

Pearson Edexcel AS Level

Colombo, Sri Lanka

June 2014 - July 2015

- Accounting A

Lakeland Inter-American School

Pearson Edexcel Ordinary Level

Colombo, Sri Lanka

March 2011 - June 2014

- Mathematics A*
- Further Pure Mathematics A
- Accounting A
- Business Studies B
- Economics B
- English Language B

languages

C, C++, C#, CSS, DTD, HTML, Java, JavaScript, LISP, NesC, Objective-C, Pascal, Perl, PHP, Python, SQL, SVG, VBSript, XHTML, XML Schema, XPath, XQuery, XSLT, English, Japanese, Sinhala

academic service

freeCodeCamp

Curriculum Contributor

February 2017 - Present

Authore guides and specimen solutions for freeCodeCamp certification program challenges on algorithm design.

<https://guide.freecodecamp.org/certificates>

edX
Content Support Associate

December 2016 - Present

Validate and alter qualitative attributes of uploaded course materials to meet edX guidelines.

community service

United Nations
Volunteer Task Force

January 2015 - Present