



# NISHAN WICKRAMARATHNA

SENIOR SOFTWARE ENGINEER  
99X (PVT.) LTD.



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nishanc.com



nishanc.medium.com  
blog.nishanc.com

## PROFILE

A dedicated professional with 3+ years experience in the Information Technology field. Skilled at building strong team environments while fostering open communications. Software developer with self-learning abilities, track record of incorporating user and business requirements into effective, secure and user-friendly solutions.

3.5K+



stackoverflow.com/users/  
5260872/nishan



github.com/nishanc



linkedin.com/in/  
nishanchathuranga



marketplace.visualstudio.com/publishers/nishanc

## EXPERIENCE

2020 - 2022

### SOFTWARE ENGINEER 99X (PVT.) LTD.

Developed enterprise solutions with TypeScript, .NET 7, Microsoft Azure, Azure DevOps and UI test automation (Selenium).

As an SSE worked as the *Scrum Master* while handling product quality as the *Product Health Architect* and making decisions on application architecture.

### SENIOR SOFTWARE ENGINEER 99X (PVT.) LTD.

2018

### SOFTWARE ENGINEERING INTERN 99X (PVT.) LTD.

Developed enterprise solutions with Angular, .NET Core, Amazon Web Services (AWS) and Azure DevOps.

2014

### LECTURER/TUTOR ESOFT METRO CAMPUS

Conducted diploma level and certificate level IT classes, provided service as a lab assistant. Developed an assignment administration system to manage student assignments.

2022 - PRESENT

## EDUCATION



### B.SC. (HON'S) IN INFORMATION TECHNOLOGY

UNIVERSITY OF MORATUWA  
JAN 2016 - MARCH 2020

OVERALL GPA - 3.5 **SECOND CLASS UPPER DIVISION**

### INTERNATIONAL DIPLOMA IN INFORMATION TECHNOLOGY (PEARSON ASSURED)

ESOFT METRO CAMPUS  
SEPT 2013 - JAN 2014

Awarded as **BATCH TOP** & **BEST PROJECT**

### ADVANCED LEVEL | ORDINARY LEVEL

D.S.SENANAYAKE COLLEGE, COLOMBO 07  
APRIL 2004 - AUG 2012

G.C.E Advanced Level - Biological Science Stream (2014)

## AWARDS & ACHIEVEMENTS



**4iR HACKATHON 2018** : Finalists  
by SLASSCOM & Virtusa

**MORA VENTURES 3.0 (2018)** : 1st Runner Up  
by Entrepreneurship Society of UoM

**IESL YMS HACKATHON 2017**: Champions Team



## RESEARCH PUBLICATIONS



### ICTER 2020 - INTERNATIONAL CONFERENCE ON ADVANCES IN ICT FOR EMERGING REGIONS, UNIVERSITY OF COLOMBO

**A Framework to Detect Twitter Platform Manipulation and Computational Propaganda** : Methodology to detect platform manipulation using machine learning and NLP techniques by predicting the credibility of the user and of the content

**IEEE Xplore** [ieeexplore.ieee.org/document/9325499](https://ieeexplore.ieee.org/document/9325499)

### ICITR 2019 - 4TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY RESEARCH, UNIVERSITY OF MORATUWA

**Detecting Automatically Generated Tweets Using Lexical Analysis and Profile Credibility** : Methodology to detect bots involved in spreading false information

**IEEE Xplore** [ieeexplore.ieee.org/document/9407800](https://ieeexplore.ieee.org/document/9407800)

### SLAAI 2018 - INTERNATIONAL CONFERENCE OF THE SRI LANKA ASSOCIATION FOR ARTIFICIAL INTELLIGENCE

**Invoke Artificial Intelligence and Machine Learning for Strategic-Level Games and Interactive Simulations** : Proposes a Behavioral Driven Procedural Content Generation methodology to be used in interactive strategy-based simulations for effective decision making

**Springer** [doi.org/10.1007/978-981-13-9129-3\\_10](https://doi.org/10.1007/978-981-13-9129-3_10)



## PROJECTS

### IN PAST WORK EXPERIENCES.

Mainly worked on financial and logistics domains with Agile/Scrum project management framework to deliver user friendly experience to Scandinavian/US based customers. I was responsible for technology stack migration, query optimizations, introducing new features, unit testing and test automation.

Built on : .NET 7/.NET Core, Typescript, Azure, SQL Server, Angular, Docker, Azure CI/CD, Selenium, Kubernetes

### FAKE NEWS AND SOCIAL MEDIA PLATFORM MANIPULATION DETECTION. (TEAM LEAD)

To identify and detect fake news by identifying credibility of the origin based on linguistics and flag non-credible information, to determine the impact they made on social media for various social and political aspects and provide a forecast on how it manipulates social media platforms.

Worked on bot detection, fake news detection and data engineering.

Built on : Flask REST Framework, NLP, ML, Angular, MongoDB  
Duration : One year.

### CONSTRUCTION SERVICES CENTRALIZATION SYSTEM. (TEAM LEAD)

A web-based system with mobile applications to connect customer, all scale construction firms and freelance contractors in the construction field in one platform. Worked on integration and administration dashboard.

Built on : ASP.NET MVC, ASP.NET REST API, SQL SERVER, Azure  
Duration : Eight months.

<https://bit.ly/constructionlk>

### AUTOMATED PAPER RECYCLER (MICROCONTROLLER BASED). (TEAM LEAD)

When waste paper is added as initial input this standalone system will be able to convert them into recycled paper. Worked as the system designer and the main engineer

Built on : Microcontrollers (Atmega32A) | Duration : One year

<https://bit.ly/paperrecycler>

>> Visit [nishanc.com](https://nishanc.com) for complete portfolio.

## VOLUNTEER & OTHER EXPERIENCES

### GUEST SPEAKER FOR TECH SESSIONS / LECTURES UNIVERSITY OF MORATUWA | 99X (PVT.) LTD. (SINCE JULY 2018)

▶ /MACHINE LEARNING PLAYLIST

▶ /TECH SESSIONS PLAYLIST

▶ /SPEAKER DECK PROFILE

I like to write and talk about things which I don't see a good explanation. So I try to dig into it, understand the inside out of the process and tell it to the community.

### PEER MENTOR FOR STEMPUP EDUCATIONAL FOUNDATION | MICRO:BIT SRI LANKA USER GROUP (SINCE JULY 2017)

Inspire and engages students to make them interested in pursuing STEM careers and to become innovators, problem solvers rather than just becoming consumers. Our organization carries out several initiatives to reach that goal.

### GUEST SPEAKER FOR SRI LANKA UNITY DEVELOPERS MEETUP (JULY 2017)

### SKILL BASED VOLUNTEER INTECS UOM. (JULY 2019)

AIESEC COLOMBO SOUTH INFORMATION MANAGEMENT & COMMUNICATION. (JULY 2016 - JULY 2017)

## AZURE / AZURE DEVOPS

ANGULAR

.NET

ASP MVC

FLASK

ENTITY FRAMEWORK

DOCKER / KUBERNATES

TYPESCRIPT

MACHINE LEARNING

NLP

TEST AUTOMATION

AGILE / SCRUM

C++  
JAVASCRIPT  
C#  
PYTHON  
NOSQL/SQL  
JAVA

## INTERESTS

### GRAPHIC DESIGN

Be [behance.net/nishanc](https://behance.net/nishanc)

### OBSERVATIONAL ASTRONOMY

ASTRONOMY CLUB  
UNIVERSITY OF MORATUWA &  
D.S.SENANAYAKE COLLEGE

### MUSIC (VIOLINIST)

ORCHESTRA | UNIVERSITY OF MORATUWA &  
D.S.SENANAYAKE COLLEGE

## REFERENCES

● Dr. G. Upeksha Ganegoda,  
Senior Lecturer,  
Dept. of Interdisciplinary Studies,  
Faculty of Information Technology,  
University of Moratuwa,  
Sri Lanka.

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● Mr. Manoj Fernando,   
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