Tharindu Yasarathna

 +94(0)70 585 0571 •   tharinduyasarathna@gmail.com

My professional goal is to continue my carrier as an academic who is exploring practical solutions for real world problems using modern technologies.

Education

○ **B.Sc.(Hons) in Software Engineering (class: 3.7/First)**   **2016–2020**
University of Kelaniya, Sri Lanka
Dissertation: Anomaly detection in cloud network data.

Areas of specialization: Business engineering applications, Mobile computing applications, Net centric applicationss.

○ **Diploma in Information Technology**   **October 2014–March 2015**
ESOFT Metro Campus assured by Pearson, Sri Lanka

Professional experience

○ **Lecturer(Temporary): University of Kelaniya, Sri lanka**   **June 2020–Present**

Main duties include conducting lectures in Software Engineering subjects for undergraduates, carryout research projects with final year undergraduates and working with University research & development projects.

○ **Associate Engineer: Virtusa Corporation, USA (Sri Lanka Co-Office)**   **March 2019–March 2020**

Designed and developed web based systems using micro services architecture, full stack development methodologies for the USA clients and internal systems in company.

○ **Software Engineering Trainee: MVV Information Technology AB** **September 2018-February 2019**

Contributed for Back end projects of Casat 4.0 product services associated with Java. Implemented several modules for the application based on SpringBoot and build it with Maven.

Technical Skills

○ **Programming languages:** Java, Python, R, JavaScript
○ **Web technologies:** HTML5, CSS, Bootstap, Node.js
○ **Frameworks:** Angular, SpringBoot, Ionic, React
○ **Database:** MySQL, Firebase, PostgreSQL
○ **Other:** Microsoft Windows, Linux, Linux Server, Adobe Photoshop & Illustrator, Apache web server, OpenSSL, Docker, Git version control, Postman API client

Presentations and Research Publications

Presentations

○ **Anomaly detection in cloud network data** (Tharindu Lakshan Yasarathna, Lankeshwara Munasinghe, Smart Computing and Systems Engineering (SCSE-2020).

○ **IEEEXtreme Programming Competition 11.0** (Tharindu Lakshan Yasarathna, IEEE Region 10 Student | Young Professionals | Women in Engineering | Life Members Congress (IEEE R10 SYWL Congress) 2018).

Research Publications

- **Anomaly Detection In The Cloud Network Data** *(Tharindu Lakshan Yasarathna, Lankeshwara Munasinghe, International Research Conference on Smart Computing and Systems Engineering, pp.62–67(SCSE-2020))*

- **Random Forest:applications, Variations And Vulnerabilities - A Review Of Literature With Code Snippets For Implementation** *(Tharindu Lakshan Yasarathna, Lankeshwara Munasinghe,Indika Wickramasinghe, Harsha Kalutarage,Engineering Applications of Artificial Intelligence(2021,under review))*

Development Projects

Online Aptitude Test Registration System - University Of Kelaniya   January 2021-August 2021

Aptitude Test Registration system for the 2020 university intake proceeds by using an online registration system developed and maintained by Software Engineering Teaching Unit University of Kelaniya.
Technologies: Angular 11 , Java , SpringBoot, MySQL , SUSE Linux, Apache web server, OpenSSL

Online Ragging Complaint Portal Of University Of Kelaniya   July 2020-February 2021

Ragging compaint system for the University of Kelaniya developed and maintain by Software Engineering Teaching Unit University of Kelaniya.
Technologies: Angular 10 , Java , SpringBoot, MySQL , SUSE Linux, Apache web server, OpenSSL

Smart Intelligent Eye - Semi automated home security camera system   2018-2019

Developed and deployed an object detection security camera and alarm system for home as 3rd year development project. System consist of IoT based real-time alarm generation method if the video footage contain suspicious object or activity and update user by instant notification via mobile application
Technologies: Angular 8 , JavaScript , Firebase, TensorFlow.js , Ionic, Python, Node.js, IOT

My Store - Online Shopping Cart Website   2017-2018

It includes an admin portal and a live cart, integrated with paypal payment portal. I used latest technologies and trends for complete that project.
Technologies: HTML, Java Script, CSS, Bootstrap, PHP, MySQL, Paypal API , Google Map API

STC - System For A Retail Shop   2016-2017

Created a billing system for an actual client after analyzing actually what he wants. Our group had 5 members and worked together to complete that project.
Technologies: Java SE, MySQL, Netbeans IDE

Inventory - Pos System For Shan Trade Center   2016-2017

My initial project in software development. That project was done to complete my diploma in Information Technology. It is a simple pos System for SHAN trade center to manage their day to day sales, monitor sale activities, report generation, stock management.
Technologies: C#, Microsoft Access

Achievements

- Dean's List - Faculty of Science - University of Kelaniya   2015/2016

- Dean's List - Faculty of Science - University of Kelaniya   2016/2017

- Represent Sri Lanka in the IEEE Region 10 Students/Young Professionals/Women in Engineering/Life Member (SYWL) Congress held in Bail, Indonesia   2018

- Founder Vice President - IEEE student branch University of Kelaniya   2016/2017

- Vice President - IEEE student branch University of Kelaniya   2017/2018

- Active Volunteer in Institute of Electrical and Electronics Engineers   2017- present

- Organizing committee member of SS12 Asia by the IEEE organization   2018

- Ambassador at IEEEXtream 11.0 Programming competition   2018

- IEEE Sri Lanka Section Student/YP/WIE Congress Organizing committee member   2018

- Section Ambassador at IEEE Day organized by the IEEE organization   2017

- IEEE Sri Lanka Section Student/YP/WIE Congress participant   2017

- Member of BaseBall team University of Kelaniya 2017-2019   2017-2019

- Winner - Inter Faculty Championship Baseball   2016/2017

- Participated Sri Lankan University Games(Baseball)   2017

- 2nd runner-up - Elle Fresher's sport program   2014/2015

- Runners up in CodeSprint 4.0 organized by IIT and IEEE and powered by Ideamart   2019

- Runners up Capture the Flag Event organized by EGUARDIAN Global Services (Pvt) Ltd at the 75th Anniversary Exhibition of Sri Lanka Signal Corps   2018

- Final 15 at YMS Techno Hackathon organized by IESL student chapter University of Moratuwa   2017

- Best 8 robots in Chromium Collision - Robot challenge organized by Dialog Axiata   2017

- Runners up in Digital Dreams robotic challenge University of Kelaniya   2016

- Organizing Committee member Vidya exhibition - Faculty of Science University of Kelaniya   2017

- Organizing Committee Member Real Hack 1.0 by SESA & IEEE University of Kelaniya   2018

- Organizing Committee Member Real Hack 2.0 by SESA & IEEE University of Kelaniya   2019

- Member of the Software Engineering Students' Association - University of Kelaniya(SESA)

- Member of the IEEE Students' Association - University of Kelaniya

Training And Workshop

- IEEE XCOM members' workshop by University of Moratuwa - Leadership and Responsibilities   2017

- IEEE XCOM members' workshop by Informatics Institute of Technology Sri Lanka - Leadership and Responsibilities   2018

- Soft Skill Development program - Table Etiquette's by Sri Lanka Institute of Tourism & Hotel Management   2017

- Outward Bound Training program by Sri Lanka Navy - Naval & Maritime Academy Naval Dockyard Trincomalee Sri Lanka   2017

References

- Dr.Lankeshwara Munasinghe
  Senior Lecturer
  Software Engineering Teaching Unit
  Faculty of Science
  University of Kelaniya
  Sri Lanka
  Tel: +94 (0)76 7 722 340
  Email: lankesh@kln.ac.lk

- Dr.(Mrs.) Isuru Hewapathirana
  Senior Lecturer
  Software Engineering Teaching Unit
  Faculty of Science
  University of Kelaniya
  Sri Lanka
  Tel: +94 (0)77 7 329 626
  Email: ihewapathirana@kln.ac.lk