Tharindu Yasarathna

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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 (First class, GPA 3.7)**   **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 for Software Engineering undergraduates, supervise research projects of final year undergraduates and contribute Software Engineering 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 the company.

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

Contributed to Back end projects of Casat 4.0 product services associated with Java. Implemented several applications using SpringBoot and 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, Elsevier - Engineering Applications of Artificial Intelligence(2021,under review))*

Development Projects

Online Aptitude Test Registration System - University of Kelaniya   **January 2021**-**August 2021**

Contributed as a full stack developer for the Aptitude Test Registration system of the 2020 university intake which is 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 Complain Portal of University of Kelaniya   **July 2020**-**February 2021**

Contributed as a full stack developer for the Ragging Complain Portal of 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**

Designed, developed and deployed an object detection security camera and alarm system for home. System consist of IoT based real-time alarm generation method which detects suspicious objects and/or activities, 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.

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 user requirements.

Technologies: Java SE, MySQL, Netbeans IDE

Inventory - POS System For Shan Trade Center   **2016**-**2017**

Developed a POS System for a retail shop 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

- Represented 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

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

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

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

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

References

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