# ISURIE LIYANAGE

SOFTWARE ENGINEER

## PERSONAL PROFILE

An enthusiastic, self-motivated, and an aspiring IT Undergraduate with a passion for developing innovative programs. A hard-working individual and capable team player who is keen to adapt to new technologies and challenging environments. I am seeking for **Software Engineering** position in the working industry.

## CONTACT INFORMATION

- No. 53/21, A-1, Gangaaddara Watta, Makuluwa, Galle.
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- www.linkedin.com/in/isurie-kanchana
- www.github.com/Isurie
- https://isurie.github.io
- www.hackerrank.com/Isuriekanchana
- www.sololearn.com/Profile/6172942/?ref=app
- www.stackoverflow.com/users/9470880/isurie

## PROFESSIONAL SKILLS

**Programing languages:**
Java, C, Python

**Web Development:**
Angular, NodeJS, Spring Boot, Spring MVC, JavaScript, Bootstrap, Ajax, Hibernate, JSP, Servlet, HTML, CSS

**Databases:**
MYSQL, Firebase

**Version Control Systems:**
Git

## EDUCATION

**2016 – 2021**  **BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**
University of Moratuwa
B.Sc. (Hons.) Degree in Information Technology

**2012 – 2015**  **SANGHAMITTA GIRLS' COLLEGE GALLE**
2015
G.C.E Advanced Level – Physical Science Stream
Results: Combined Mathematics - B, Physics - B, Chemistry - B

**2001 – 2011**  **ANULADEVI GIRLS' COLLEGE GALLE**
2011
G.C.E Ordinary Level
Results: 7A s & 2B s

## WORK EXPERIENCE

**2019-08 –**  **TRAINEE SOFTWARE ENGINEER**
**2020-02**  **ASPITIO (PVT.) LTD**

- **Projects:** Akura cloud-based, comprehensive School Management System developed in Sri Lanka by Virtusa Inc. as a CSR project.
- Designing, Implementing, Testing and Documentation of Finance Module.
- **Technologies used: Java (Spring MVC/ Hibernate/ JSP/ Servlet), Angular, MYSQL, Apache Tomcat**

## PROJECTS

**2020-03 –**  **SINHALESE LANGUAGE BASED HATE SPEECH DETECTION AND INTENT ANALYSIS ON TWEETS**
**Ongoing**
B.Sc. Level 4 Research project | Group Project

- Focusing on developing a tool in order to detect Sinhalese language-based hate speech and analyze intention of tweets.
- We are using semantic analysis and data mining techniques in addressing the problem.
- **Technologies used: Python, NLTK, Pandas, NumPy, Scikit-learn, PyCharm**

**2019-08 –**  **AKURA SCHOOL MANAGEMENT SYSTEM | FINANCE MODULE**
**2020-02**
B.Sc. Level 3 Internship Project

- Contributed to Akura finance module which is an EE Feature of Akura School Management System which is having ability for parents to manage their children's financial stuffs related to school payments.
- **Technologies used: Java (Spring MVC/ Hibernate/ JSP/ Servlet), Angular, MYSQL**

## IDEs:
IntelliJ IDEA, NetBeans IDE, Eclipse, Visual Studio, Visual Studio Code, PyCharm

## Other Technologies:
Trello, Test NG, MySQL Workbench, Weka, Protégé, NLTK, Pandas, NumPy, Scikit-learn Blender, OpenCV, SPARQL

## Related Course Work:
- Software Quality assurance
- Enterprise Application Development
- Natural Language Processing
- Digital Image Processing
- Data Mining & Data Warehousing
- Semantic Web & Ontological Modeling

# PERSONAL SKILLS

- Good Team player
- Well adaptability
- Willingness to learn
- Creativity
- Quick learning ability
- Problem solving

# INTERESTS

Programming, Drawing, volunteering, Music, Movies/TV series, Travelling

# NON-RELATED REFEREES

**Dr. Lochandaka Ranathunga**
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Department of Information Technology,
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# PROJECTS

**2018-03 – 2019-01**   **MEMBERSHIP MANAGEMENT SYSTEM**
B.Sc. Level 2 Software Project | Group Project | Mentored by 99X Technologies

- A web based online system to manage the activities and events in member organizations.
- The application provides the facility for members to join and manage their profiles online and created smart way to find membership.
- **Technologies used: Angular6, Spring Boot, MYSQL Database**.

**2017-03 – 2018-02**   **WATER QUALITY MEASURING DEVICE**
B.Sc. Level 1 Hardware Project | Group Project

- Micro controller-based project which can be used as a solution in assessing the quality of water.
- Developed a device to measure the values of pH, turbidity, dissolved oxygen, and TDS of the water using relevant sensors.
- **Technologies used**: Microcontroller technology (Atmega 32) and sensors. Used Programming language: C

**2015-09**   **UNIVERSITY MANAGEMENT SYSTEM**
Java Projects | Individual Projects

- Projects done under completion of the Java course I followed. These are general java applications with interactive GUIs.
- University Management System: www.github.com/Isurie/abcUni
- Related project: - Employee Management system: www.github.com/Isurie/EmployeeManagementSystem
- **Technologies used**: NetBeans IDE, Java SE, MySQL

# RESEARCH AND PUBLICATIONS

**2020/21**   **Review of Sinhalese Language Based Short Text Classification in Twitter to Improve Information Filtering -** Ongoing

**2019**   **Review of Facial Image Processing for Sleepiness Estimation by using Video Processing** – Preprint
B.Sc. Level 3 Independence study

# ACTIVITIES & ACHIEVEMENTS

- Completed Scrum Foundations Professional Certificate SFPC
- Participated in MoraXtream3.0 (coding competition) -2018 (Team Pen pals)
- Participated in HackMoralV1.0 –Inter University coding competition
- Participated in CODE RUSH 2018 – Intra faculty coding competition (Team Hack Elite)
- Participated in CODE RUSH 2020 – Intra faculty coding competition (Team Hack Elite)

# OTHER EXPERIENCES

- Member of Social Media Analytics Research Group (2020 – present)
- Company coordinator in 'Are You Ready? 2018', the official career fair of University of Moratuwa.
- Followed 6 months Java Programing Course (OCJP) at 'Dakma' Institute, Matara. - 2015 Sep
- Contributed to open source in Hacktoberfest 2018, 2020
- Participated in Microsoft AI Classroom series 2020
- Completed certification courses in Coursera: www.coursera.org/user/0a6cb030a04a6f031258471333293fc0