EDUCATION

B.Sc.Eng (Hons) in Computer Engineering

University of Jaffna	2021- present
Govt. Science College Matale	2016-2019
Mt/ Christ Church College	2005-2015

CONTACT

📞 +94 715 653 487

✉ samaranayakeashini12@gmail.com

in LinkedIn

Github

Medium

WORKING EXPERIENCE

Bank of Ceylon 6 months' internship 2020 Sep-Mar

TECHNICAL SKILLS

- Java, Python, C++
- JavaScript, HTML, CSS
- MySQL
- React, React Native, Node.js
- Jira (Scrum, Kanban)
- Git, GitHub
- Figma
- Google Colab, Jupyter notebook
- Selenium

ARCHIVEMENTS

Finalist, CodeStorm 2.0: Secured 15th place (organize by YARL IT HUB.)

Participant, ACES Coders v11.0.
(organized by ACES University of Peradeniya)

SOFT SKILLS

- Project Management
- Teamwork
- Time Management
- Effective Communication
- Critical Thinking
- Self-learning

ASHINI SAMARANAYAKE

B.Sc.Eng (Hons) in Computer Engineering

Motivated 4th-year Computer Engineering student at the University of Jaffna with experience in software quality assurance and automated testing using tools like Selenium and Jira. Skilled in debugging and ensuring software reliability, with a strong focus on delivering high-quality solutions. Eager to contribute to innovative projects in a dynamic team environment.

PROJECTS

Exam Registration System   2024 Mar-Jul
Role: Quality Assurance (QA)
Focused on ensuring the reliability and functionality of an Exam Registration System developed with ASP.NET and Blazor.NET. As one of two QAs, designed and automated comprehensive test cases using Selenium, covering functional, integration, and regression testing. Conducted rigorous debugging and performance testing to identify and resolve issues, ensuring seamless operation.

PPE Detection System for Construction Workers   2024 Apr-present
Collaborative Project
Conducting research on a computer vision system to enhance workplace safety by detecting and classifying Personal Protective Equipment (PPE) compliance among construction workers. The project utilizes YOLOv8 for human detection and integrates multiple models in Google Colab for comprehensive analysis. The objective is to classify images as 'safe' if all required PPE items (helmets, vests, boots) are present or 'unsafe' otherwise. The dataset includes labeled images of PPE items stored in Google Drive for efficient access and processing.

Online Shoppers Purchasing Intention Analysis   2024 Apr
Individual Project
Analyzed the "Online Shoppers Purchasing Intention" dataset using K-means and GMM clustering. Preprocessed data with encoding, scaling, and EDA. Evaluated performance using Silhouette, Calinski-Harabasz, and Davies-Bouldin scores. K-means outperformed GMM in defining distinct clusters.

Vista Lanka web page   2024 Sep-Dec
Collaborative Project
Developed the frontend of a travel agency website using React, focusing on an interactive and user-friendly interface. Designed the layout in Figma and implemented a detailed hierarchical plan, identified subtasks, planned interfaces, and created a storyboard with a state transition diagram to ensure seamless navigation and functionality.

CERTIFICATION & COURSES

- Introduction to Selenium (Java) – Simplilearn
- Google exploreCSR Summer School on Machine Intelligence (GeSSoMI-2024)
- Cybersecurity Bootcamp at GeSSoMI-2024
- Introduction to Cybersecurity – Cisco
- Java Programming Internship (One month) – Codesoft
- UI/UX Design Internship (One month) – Codesoft
- Introduction to Machine Learning US – Great Learning Academy
- Cloud Computing Foundations – Great Learning Academy
- Introduction to SQL – SoloLearn
- SQL Intermediate – SoloLearn

REFERENCES

Dr.(Mrs) P.Jeyananthan
Senior Lecturer,
Head, Department of Computer
Engineering, Faculty of
Engineering, University of Jaffna
pratheeba@eng.jfn.ac.lk
+94 21 206 0160

Dr. (Mrs.) J. Jananie
Senior Lecturer Grade II
Department of Computer Engineering,
Faculty of Engineering,
University of Jaffna
jananie@eng.jfn.ac.lk
+94 70 490 4957