



# THARINDA RAJAPAKSHA

## PROFILE

I am a final year undergraduate in the Bachelor of Science (Honors) in Information Technology specialized in Software Engineering degree program, at Sri Lanka Institute of Information Technology (SLIIT), Malabe.

I am a hardworking individual who likes to work as a team, face new challenges, solve problems, and gain knowledge and experience on new technologies and modern trends in software engineering.

I look for opportunities to learn and grow by making positive contributions to enhance the performance of the company I am working.

## CONTACT

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Portfolio: <https://tharindanimnajiith.github.io>

SoloLearn:

<https://www.sololearn.com/profile/9831689>

HackerRank:

<https://www.hackerrank.com/tharinda>

Blogger:

<https://tharindarajapaksha.blogspot.com>

Chess.com Blogs:

<https://www.chess.com/blog/Tharinda-Nimnajiith>

## EDUCATION

### Richmond College, Galle

2004 - 2017

- GCE Ordinary Levels 2014 (A - 8, B - 1)
- GCE Advanced Levels 2017 in Physical Science stream (B - 1, C - 2)
- Junior Prefect (2010 - 2011), Monitor at junior level (2007 - 2012), Scrabble (2009 - 2012), Chess (2016 - 2017), IT Club (2012), Prize winner in all Prize Distributions (2007 - 2016), Science Society (2015 - 2017)

### Sri Lanka Institute of Information Technology (SLIIT), Malabe

2018 - 2021

- Cumulative GPA: 3.92
- NBQSA 2021 participation to present the final year research project
- Dean's List Honors 2019, 2020 for 7 semesters
- Award of SLIIT Scholarship for 5 semesters
- Active member of SLIIT Chess Club (2018 - 2021)

## WORK EXPERIENCE

### IFS R&D International (Pvt) Ltd - Trainee Software Developer (Internship)

Nov 1, 2019 - Oct 31, 2020

- Assigned to the Contract Management Team in IFS Research and Development Project Based Solutions Group.
- Designed, developed, and tested IFS ERP Applications (IFS Aurena & IFS Enterprise Explorer) in functional areas like Sub & Sales Contracts, B2B operations, B2B & Sub Contract Manager Lobbies, Indemnity Management, and Project Accruals Development.
- Went through a comprehensive training on SQL, Oracle PL/SQL, ERP software, software localizations aspects, Operational & Ad Hoc reports, multitier software architecture, OOP concepts, RESTful web services, OData protocol, XML & JSON data interchange formats, agile methodologies, version controlling (Apache SVN, Git, Sourcetree, TortoiseGit, BitBucket), project management & issue tracking (Jira), following proper industry practices & guidelines related to software development, and working in a highly dynamic team culture.

### Vertex - Software Engineer (Part-time)

Nov 1, 2020 - April 31, 2021

- Worked on the initial stages of the SDLC in multiple software projects: Hotel Management System, Restaurant Management System, Inventory Management System, Identity Management System, IdeaApp, and MyTextBook.
- Worked on requirement gathering & analysis, EER diagrams, database design, SQL, Microsoft SQL Server, C#, .NET Core, Entity Framework, JavaScript, TypeScript, React.js, Angular, Microsoft Azure Web Services, Microsoft Azure DevOps, Trello, Git, Heroku Cloud, Docker.

### Cube360 - Software Engineer (Contract)

Feb 1, 2021 - July 31, 2021

- Developed a full-fledged cross-platform mobile app called ViralPool with React Native & Expo to manage social media campaigns.

## OTHER SKILLS

- Communication Skills
- Teamwork
- Team Leadership
- Self-Learning
- Teaching
- Microsoft Office
  - Word
  - Excel
  - PowerPoint
  - Access
  - Outlook

## LANGUAGES

- Sinhala - Native Proficiency
- English - Advanced Proficiency
- Tamil - Elementary Proficiency

## HOBBIES

- Chess
- Badminton
- Movies
- TV Series
- Novels

## TECHNICAL SKILLS

- Python, FastAPI, Flask, Natural Language Processing (NLP), Data Science, Machine Learning, Deep Learning
- Database Design, SQL, Oracle SQL, PL/SQL, Microsoft SQL Server, T-SQL, MySQL, SQLite, NoSQL Databases, MongoDB, Firebase
- JavaScript, TypeScript, MERN Stack (React.js, Express.js, Node.js, MongoDB), Electron.js, React Context API, Redux
- Web Development - HTML, CSS, Bootstrap, Material UI, Tailwind CSS, jQuery, AJAX, RESTful Web Services, API Development, JSON, XML
- Mobile Application Development - React Native, Expo Framework, Flutter, Android Development with Java
- Object Oriented Design Concepts (OOP), Design & Architectural Patterns (Singleton Pattern, MVC Architecture, etc.)
- Java, Java EE, Servlet, JDBC, JSP, JSTL, Spring Boot
- C#, .NET Core, Entity Framework, PHP, Laravel, Angular, C, C++
- Agile Methodologies, SCRUM, Software Development Life Cycle (SDLC)
- Version Controlling (Git, Apache Subversion, GitHub, BitBucket)
- DevOps, CI/CD Pipeline, Docker, Microservices
- Cloud Computing, Heroku Cloud, Microsoft Azure Web Services, AWS
- Software Project Management, Jira, Microsoft Azure DevOps, Trello
- UML Diagrams, ER Diagrams, System Design, Requirement Analysis
- ERP Software Development, Software Engineering Best Practices
- Software Security, OAuth 2.0, Open ID Connect, Cryptography
- UI/UX, Human Computer Interaction (HCI) Concepts, Adobe XD, Figma
- Experience in Linux, Windows, Software Engineering Tools, IDEs & Text Editors

## PROJECTS

### ViralPool (Cube360)

- Full-fledged cross-platform mobile application using React Native and Expo framework to manage social media advertising campaigns
- Dashboard, CRUDs, Push Notifications, Images and Files Upload/Download

### English Buddy (SLIIT Final Year Research Project)

- Smart e-learning web application to practice English language for non-native speakers using Deep Learning, Reinforcement Learning, Natural Language Processing (NLP), and Audio Signal Processing
- Automated subjective answer evaluation by measuring semantic textual similarity between student & model answers using Siamese Neural Networks
- Used Python, FastAPI, NLTK, Gensim, Spacy, TextBlob, RESTful Web Services, React, Typescript, Redux, Material UI, Bootstrap, Tailwind CSS, C#, .NET Core Entity Framework, Azure Cloud SQL Server Database, Heroku Cloud, Docker
- Was selected to represent SLIIT at NBQSA 2021

### Online National Polling System (SLIIT 2<sup>nd</sup> Year Group Project - Web Application)

- Dynamic web application using Java, Java EE, Servlet, JDBC, JSP, JSTL, HTML, CSS, Bootstrap, jQuery, JavaScript, XML, MySQL, MVC (Model-View-Controller) Architecture, Object Oriented Design Concepts, UML (Class, Sequence, Use Case, EER), Design Patterns, SE best practices
- Complete Login System (Register, Login, Logout, Forgot Password, Email Notifications), CRUD operations for User Management functionality

### Peter's Place Hotel Management System (SLIIT 2<sup>nd</sup> Year IT Project)

- Dynamic web application for the Peter's Place Hotel in Matara using PHP, Laravel Framework, MVC Architecture, MySQL, JavaScript, UML

### eBread Shop (SLIIT 2<sup>nd</sup> Year Group Project - Mobile Application)

- Mobile business application for Android using Java, Firebase Realtime Database, Firebase Storage, and Android Studio as the IDE
- Menu Management function with CRUDs, Validations, Image Upload

### Multiple React Projects (SLIIT 3<sup>rd</sup> & 4<sup>th</sup> Year Projects)

- Full stack Web Apps with React.js & React.ts, Standalone Apps with Electron, Validations, Authentication, OAuth 2, Google Sign in, Google Drive Integration
- Backend with Node.js / Express (MERN Stack), Java Spring Boot, C# .NET Core Entity Framework (MongoDB, MySQL, MS SQL Server DBs, Backend Validations