JANITHA RATNAYAKE

SOFTWARE ENGINEER

- 📞 +94 76 763 3100
- 🌐 +94 36 225 5456
- ✉️ janithadevin@gmail.com
- in linkedin.com/in/jdratnayake/
- 🐙 github.com/jdratnayake

ABOUT ME

A proactive and ambitious Software Engineer who is committed to delivering high-quality work. I have a collaborative mindset and have maintained a track record of actively contributing towards achieving common goals as a team player. With a positive attitude and a passion for continuous learning, I am dedicated to improving my skills and achieving excellence in every task I embark upon.

WORK EXPERIENCE

Software Engineer – Intern   Nov 2022 - Apr 2023

Xeptagon (Pvt) Ltd.

- Gained hands-on experience in developing ETL (Extract, Transform, Load) process systems that extract data from almost 100 sources, contributing to the company's revenue.
- Obtained training for following best practices such as proper version controlling, unit testing and code quality guidelines.
- Worked on Azure services such as Azure Synapse Analytics and Azure Blob Storage.

Tech Exposure: Python, Selenium, Wav2vec, Azure, Docker

EDUCATION

University of Colombo School of Computing   Mar 2020 - Present

B.Sc. (Hons) in Software Engineering (Undergraduate)   (Will be completing by May 2024)

Current GPA - 3.93 / 4.00

Nalanda College, Colombo   May 2014 – Aug 2018

GCE Advanced Level | 2018

Combined Maths - A, Physics - A, ICT - B

GCE Ordinary Level | 2015

9 A's

SKILLS

Programming Languages

JavaScript | Python | PHP | C | C++ | Scala | Java

Web Development

React | Node.js (Express) | Laravel

Databases

MySQL | PostgreSQL

Other Technologies

Git | Linux | Docker | Jira | Trello | LaTeX

PROJECTS

EMvidence   Jun 2023 - Present

EMvidence is a software tool designed to extract forensic insights from electromagnetic (EM) signals emitted by IoT devices. It enables users to capture the EM signals emitted from the device being tested using Software-defined Radio (SDR) hardware. Users can analyze these signals using EMvidence's various modules to gain an understanding of the tested IoT devices and have the flexibility to develop their own third-party modules tailored to their specific needs.

- **Contribution:** EM signal analysis modules.

React | Material UI | Laravel | Python | MySQL

ARTTIC ⬈   Apr 2022 – Oct 2022

ARTTIC is a community platform empowering Non-Fungible Token (NFT) creators to globally market their work by connecting them with a network of NFT followers. On ARTTIC, creators can share details of their latest NFTs, including background stories and upcoming releases, while also receiving valuable feedback and engagement from their audience.

- **Contribution:** Advertisement, analytics, chat, creator verification, crypto payment and review modules.

React | Bootstrap | Node.js (Express) | Redux | Prisma |PostgreSQL

ALec ⬈   Mar 2021 – Mar 2022

ALec is an interactive teaching and learning module that enhances classroom engagement through real-time quizzes, anonymous question-asking, and self-evaluation. It strengthens lecturer-student interaction, improves efficiency, and encourages a more impactful learning experience in both online and physical environments.

- **Contribution:** Backend development of the web application.

HTML | Sass | JavaScript | XML | Java | PHP | MySQL

VOLUNTEERING

University Ambassador for Sustainable Cities and Communities   Jan 2021 – Dec 2021

G17 Global

Leadership | Communication

ACHIEVEMENTS

Codefest Designathon organized by the Sri Lanka Institute of Information Technology   Jan 2022

Finalists

Innovative Thinking | UI/UX Design

ACCA Business Challenge organized by AIESEC   Jan 2021

Semi Finalists

Critical Thinking | Strategic Planning

hackX organized by the University of Kelaniya   Dec 2020

Semi Finalists

Innovative Thinking | Problem Solving

REFEREES

Dr. Asanka P. Sayakkara   **Dr. Dinuni K. Fernando**

Senior Lecturer   Senior Lecturer

University of Colombo School of Computing   University of Colombo School of Computing

Email: asa@ucsc.cmb.ac.lk   Email: dkf@ucsc.cmb.ac.lk