



# NAREASHKAAN VIJAYARAGAVAN

University of Colombo School of Computing  
Computer Science undergraduate

- 📍 No. 50/A, Rosary Road, Negombo.
- 📞 +94 77 8489936
- ✉️ vnareashkaan@gmail.com
- 🌐 [www.linkedin.com/in/nareash-vijayaragavan](https://www.linkedin.com/in/nareash-vijayaragavan)
- 🐙 <https://github.com/Nareash503536>
- 📁 <https://nareash503536.github.io>

## TECHNICAL SKILLS

### Programming Languages

- Java
- PHP
- JavaScript
- C
- C++
- HTML & CSS
- SQL
- Python
- Ballerina
- Typescript

### Frameworks

- React
- React native
- Springboot
- TailwindCSS
- Express.js

### Database

- MySQL
- PostgreSQL
- MongoDB

### Other Technologies

- Github
- NodeJS
- Figma
- Postman
- Docker
- Helm
- Kubernetes
- Terraform
- nginx
- Choreo
- n8n
- Azure
- Latex

## ABOUT ME

I am an admirer of hardwork, determination, commitment, loyalty and pursuit of new knowledge. Passionate about coding with other developers to build applications and knowledge sharing. I'm an adaptive fast learner who is looking for career opportunities that will help me utilize my potential while adding maximum value to the organization.

## EDUCATION

### BSc. (Hons) in Computer Science (2021 – present)

University of Colombo School of Computing  
Current GPA – 3.80 (First class)

### G.C.E Advanced Level – Physical Science (2017 – 2019)

Maris Stella College Negombo

Results : – ICT – 'A'    Combined Maths – 'B'    Physics – 'B'  
Z-Score :- 1.94

### G.C.E Ordinary Level (2016)

Highlands College Hatton  
Results : – 6A's 2B's 1C

## WORK EXPERIENCE

### Half Life Private Limited

Software Engineer (June 2024 – Nov 2024)

- Worked in a workflow automation tool project that allows users to create custom processes and automate tasks across various applications and services.
- Enabling users to create and manage custom OAuth 2.0 credentials for various integrations.
  - Technologies: **TypeScript, OAuth2, n8n**

### WSO2 Sri Lanka

Software Engineer Intern (Nov 2023 – May 2024)

- Developed a comprehensive framework to manage customized tests for customers, including the integration of customer deployments and test scenarios into WSO2 TestGrid.

## LANGUAGES

- Tamil  
**Native or Bilingual proficiency**
- English  
**Full professional proficiency**
- Sinhala  
**Professional working proficiency**

## COMPETENCIES

- Teamwork
- Adaptability
- Leadership
- Time Management
- Problem Solving Skills

## INTERESTS

- Functional programming
- Data Science
- DevOps
- Networking
- Cyber security

## ACHIEVEMENTS

- ReidXtreme 2021 - A 24-hour Competitive Programming Competition
  - One of Top 10 teams
- Been in Director's list for 2 consecutive semesters
- FreshHack 2.0 - Competitive Programming Competition
  - One of Top 10 teams
- Participations
  - NBQSA - 2023
  - Real hack - Competitive Programming Competition
  - APAN 56 - Datathon 2023

## REFERENCES

Dr. A P Sayakkara  
Ph.D. (UCD, Dublin), B.Sc. (Hons) (Col), CTHE  
Phone: asa@ucsc.cmb.ac.lk  
Email: +94 70 369 5463

Mrs. Dinusha Senanayaka  
Software Architect | Associate  
Director at WSO2  
Phone: dinusha@wso2.com  
Email: +94 76 406 9991

- Developed a CI pipeline to create product images tailored for each customer after an update is released and push them to the Azure container registry.
- Implemented the CD pipeline to deploy the customer specific architecture in the Azure kubernetes cluster.
- Constructed a proxy layer that handles logic and triggers the pipeline and deployed in Choreo.
  - Technologies: **Ballerina, Choreo, Terraform, Helm charts, Java Junit, kubernetes, Docker, Azure**

## RESEARCH

### Applicability of Deep Learning and Embedding-Based Techniques for Tamil Morphological Analysis

- Conducting research on Tamil morphological analysis, focusing on tasks such as morphological tagging and lemmatization.
- An hybrid approach that combines deep learning techniques and similarity-based methods using word embeddings to predict grammatical features and improve accuracy.

## PROJECTS

### Royal Hospital - Hospital management system

- Application allows the patients to book appointments online and all the details of both the inpatients and outpatients are tracked.
- Doctors can prescribe medicine through the system
  - Technologies: **PHP, HTML, CSS, JavaScript, MYSQL**

### CuddleCare - Baby care mobile application

- CuddleCare is a mobile application which is developed to track the babies of ages birth to five years.
- Mom and the caregiver can access the system to record all the necessary measures and the system gives health tips according to the status of the baby.
  - Technologies: **Springboot, Postgres, React native, TailwindCSS**

### Dash Delivery - Web application for Courier tracking system

- Developed Dash Delivery, a PERN (PostgreSQL, Express, React, Node) application in TypeScript for courier service management.
- Features include user registration, login, shipment creation, real-time tracking, and role-based permissions with an admin interface.
  - Technologies: **Express.js, Typescript, React with Vite**

### Mini Projects

- FoodiePokemon - Food order system
  - Technologies: **MongoDB, Express.js, React, Node**
- Library management system
  - Technologies: **MongoDB, Express.js, React, Node**
- Sewana Property - Property management system
  - Technologies: **HTML, CSS, PHP**