

ANUSHKA IDAMEKORALA

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PROFESSIONAL EXPERIENCE

COMPUTER SCIENCE DEPARTMENT, UVA

Charlottesville, VA

Research Assistant

AUG 2022-Present

- Explored novel approaches that leverage parallel and distributed computing architectures to achieve faster and more scalable graph processing .I investigated graph analytics techniques to uncover patterns, relationships, and properties within graph data.
- Currently working on the research direction of privacy preserving machine learning.

NOVATTI GROUP(ASX: NOV) VIA UNIBENCH

Melbourne, Australia

Associate Tech Lead

FEB 2019- OCT 2019

Senior Software Engineer

JUN 2021- JUN 2022

- Working on **Novatti** payment gateway which is the legacy product of Novatti acquiring. As one of the early members of Novati Acquiring, I have played a full-stack role contributing to every key component of the payment gateway which followed a serverless architecture. I worked with external payment processors, acquirers, and financial institutions to establish secure connections and facilitate the transfer of funds. Moreover, I actively contributed to the end to end implementation of PayXCrypto, which is the secure and compliant real-time crypto payment system of Novatti.
- **AWS Stack:** Lambda, DynamoDb, Api Gateway, SQS, SNS, Secret Manager, App Config, S3, CloudFront, CodeCommit, CodePipeline, Step Function
- Other Stack: Java, Spring Boot, Javascript, Maven, React, GraalVM, PHP, Git, Bash

PICKME

Colombo, Sri Lanka (SL)

Software Engineer

FEB 2021- MAY 2021

- Working on the Food team of Pickme, which is Sri Lanka's leading taxi hailing and food delivery system. Contributed several components to improve their standards. Key Responsibilities included designing and implementation of microservices which followed an event driven architecture and development of enhanced monitoring using Prometheus and Grafana.
- Technical Stack: Go, Kafka, Docker, Kubernetes, Prometheus, Grafana, Git, Bash,SQL

SINGAPORE MANAGEMENT UNIVERSITY

Singapore

Research Engineer

OCT 2019- DEC 2020

- Chatbot based indoor localization system
 - o In this project, I implemented a rule-based chatbot with the goal of identifying user location incorporating landmarks. To verify the accuracy of the location, I implemented extended questioning techniques based on the surrounding.
- Driver guidance system for Cab drivers
 - o First I developed models to predict passenger demand in Zonal areas depending upon historical data and offered suggestions to Japan cab drivers. A custom recommendation engine was developed for that purpose. Enhanced the functionality by creating a service to analyze real-time logs and predict dynamic driver waiting time in each POI(hot spots) which was experimented in Tokyo with the collaboration of **Fujitsu**.
- Technical Stack: Java, Python, Docker, Git, Bash, SQL

SYSCO LABS

Colombo, SL

Software Engineer

FEB 2019- OCT 2019

- Working on Sysco Shop, the latest shopping application of **Sysco** (one of the largest food distributors in the world). One of the early members of Sysco Shop and has played a full-stack role contributing to many key components of Sysco Shop application. Key responsibilities included designing and implementation of microservices, collaborative development with local and US teams and debugging and fixing production incidents in Real Time.
- Technical Stack: Java, Springboot, React, Javascript, NodeJS, Git, Bash, SQL

EDUCATION

UNIVERSITY OF VIRGINIA

Charlottesville, VA

Doctor of Philosophy, Computer Science

AUG 2022-Now

GPA 4.0/ 4.0

UNIVERSITY OF MORATUWA

Moratuwa, SL

Bachelor of Science of Engineering, Major in Electronics and Telecommunication

DEC 2014- JAN 2019

GPA 3.65/ 4.2

DHARMARAJA COLLEGE

Kandy, SL

Primary and Secondary Education

2000-2013

Final Grade GCE Advanced Level: Provincial 1st , Island 14th, z-score 2.7130, percentile 99.96%

HONORS AND AWARDS

- IEEEExtreme | Global competitive programming competition organized by IEEE **Moratuwa, SL**
 - IEEEExtreme 12.0 Country Rank - 01, World Rank - 60 **2018**
 - IEEEExtreme 10.0 Country Rank - 03, World Rank - 106 **2016**
- MoraXtreme | Local competitive programming competition organized by University of Moratuwa **Moratuwa, SL**
 - MoraXtreme v1.0 Champions **2018**
 - MoraXtreme v3.0 Champions **2016**
- AcesCoders | Local competitive programming competition organized by University of Peradeniya **Kandy, SL**
 - AcesCoders v6.0 Runners Up **2018**
 - AcesCoders v8.0 Runners Up **2016**

TECHNICAL CERTIFICATIONS

- AWS Developer Associate Certification, Reading **Now**
- AWS Certified Solution Architect Associate **June 2023**
- Coursera Cloud Computing Certifications authorized by ULUC **2020**

REFERENCES

- Prof. Geoffrey Fox, University of Virginia, VA 22903, USA.
- Dr. Nalaka Goonerathne, Novatti Group (ASX: NOV), Australia
- Dr. Tharaka Samarasinghe, University of Moratuwa, Sri Lanka