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 on implementation of several principal components including reconciliation flow, disbursement flow and merchant onboarding flow. 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
  - 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
  - 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). I 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

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