

KEKAYAN NANTHAKUMAR

Cloud/ML Software Engineer

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TOP PROJECTS

Duty of Care

Under Insighture

📅 August 2020 – December 2020

- Played major role in NSW feature development as a Backend Engineer, in the Australian based dutyof.care platform a highly scalable, resilient product.
- Technologies: Python - Flask | nodejs | AWS Lambda | RabbitMQ | redis | docker | vault

Auto Tagging Stack Overflow Questions

Academic - Individual

📅 December 2019 - February 2020

- Final year research for the partial fulfillment of B.Sc. (Hons.) in Software Engineering degree program. Application Research related to multi-label multi-class classification.
- Technologies: Python | Keras | Neural Network | Transformers | TF-IDF

Anomaly Detection

Under Pearson Lanka - Individual

📅 May 2019 – June 2019

- Prototyped an AWS based solution to detect anomalies from ELB logs dumped in S3 bucket.
- Technologies: AWS Kinesis | AWS Lambda | AWS Firehose | AWS Elasticsearch | AWS SNS | Kibana

Gesture Analysis

Under Pearson Lanka - Team

📅 September 2018 – November 2018

- Research based project related to Deep Learning, specializing in Image Processing. Implementation includes a REST API to predict gesture from a video.
- Technologies: MXNet | KNN | Django + Django REST framework | Ansible

TECHNICAL SKILLS

- **Languages** : Python, JavaScript, Java
- **Frameworks** : Flask, nodejs, Django, FastAPI, Spring Boot, React*
- **Databases** : PostgreSQL, MySQL, MongoDB
- **Deep Learning** : Vision & NLP, Tensorflow, Keras
- **Cloud** : AWS, Docker, docker-compose, Kubernetes*
- **Operating Systems** : Linux, Windows
- **Network & Deployment** : Guicorn, Vault, Nginx, RabbitMQ, Redis, Ansible, Tomcat
- **Tools** : Git (BitBucket & Github), Colab, Postman, JMeter

WORK EXPERIENCE

Cloud/ML Engineer

Insighture

📅 Aug 2020 – now

📍 Melbourne, VIC

- Designed and Developed secure, scalable, highly available and fault-tolerant system on cloud.
- worked with technology leadership to ensure solutions are consistent.
- Part of the R&D initiatives of the company.
- Gained sound knowledge on DevOps paradigms
- Technologies : | Flask | nodejs | Python | TF/Keras | Docker | Hashicorp Vault | RabbitMQ | AWS | Git | Trello.

Trainee Software Research Engineer

Applied Research & Development, Pearson Lanka (Pvt.) Ltd.

📅 Sept 2018 – Sept 2019

📍 Colombo 09, Sri Lanka

- Experienced the best industry exposure on collaborative development, system thinking & design. Worked on Machine Learning R&D Projects, Java & AWS based POC Developments.
- Technologies : Spring Boot | Django | Flask | Keras | Vue.js | Git | Ansible | Trello.

EDUCATION

B.Sc. (Hons.) in Software Engineering

University of Kelaniya

📅 2016 - 2020

📍 Kelaniya, Sri Lanka

- Major: Data Science and Engineering | Net Centric Applications
- **CGPA - 3.89/4.00 (1st Class)**

Physical Science (2014 A/L)

Hindu College, Chavakachcheri

📅 2005 - 2014

📍 Chavakachcheri, Sri Lanka

- Subjects: Mathematics A | Chemistry A | Physics B
- **Z-Score - 1.8472**

ACHIEVEMENT

4th Place (out of 106 teams)

Data Storm Datathon 2020

📅 February 2020

Datathon organized by Octave (JKH Centre of Excellence for Big Data Analytics) & University of Moratuwa, based on practical scenario

2nd Runner Up (out of 250 contestants)

Codezilla hackathon 2018 - Individual

📅 June 2018

Hackathon organized by Mozilla Club of Uwa Wellassa University, targeting problem solving skills in real world scenarios.

1st Runner Up (out of 11 finalist teams)

HackaDev - Matara'17 (National Youth Software Competition)

📅 September 2017

Hackathon organized by UNDP-Sri Lanka, as a three league competition, targeting youth innovations in Sri Lanka.

1st Runners Up (out of 10 finalist teams)

Yarl Geek Challenge'17

📅 November 2017

Hackathon organized by Yarl IT Hub, Jaffna, targeting youth innovations in Sri Lanka.

Semi-Finalist

HackaDev - Jaffna'17 (UOJ Hack 2017)

📅 October 2017

Hackathon organized by UNDP-Sri Lanka and University of Jaffna, as a three league competition, targeting youth innovations in Sri Lanka.

Semi-Finalist

iHack 3.0

📅 October 2017

Hackathon organized by University of Colombo School of Computing, targeting youth innovations in Sri Lanka.

Winner - Best Photographer

Ahasi Art Festival'16

📅 October 2016

Photography competition organized by the Arts Society of University of Kelaniya, as a part of the annual art festival.

SOFT SKILLS

Quick Learner

Problem Solving skills

Leadership Skills

Strong team Player

Good Communication Skills

Time Management

SOCIETIES & CLUBS

Member

Software Engineering Students' Association

📅 June 2017 – March 2020

Student Association of B.Sc. (Hons.) in Software Engineering undergraduates.

LANGUAGES

English

Tamil

Sinhala



REFEREES

Dr. (Mrs) Isuru Hewapathirana

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