

# KEKAYAN NANTHAKUMAR

## Aspirant Software Engineer

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kekayan.github.io    @kekayan    kekayan    in kekayan



## TOP PROJECTS

### 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

### Budget Management System

#### Under Pearson Lanka - Individual

January 2019 - February 2019

- Internal project for Pearson Lanka to manage salary related budgets
- Technologies: Java | Springboot based REST API | VueJS

### 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

### 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

## TECHNICAL SKILLS

- Languages** : Java, Python, JavaScript
- Frameworks** : Spring Boot, Flask, Django, ReactJs, VueJs
- Databases** : MySQL, SqlServer, MongoDB
- Deep Learning** : Vision & NLP, Tensorflow, Keras
- Cloud** : AWS, Kubernetes, Docker
- Operating Systems** : Linux, Windows
- Network & Deployment** : Guicorn, Tomcat, Nginx, Ansible
- Tools** : Git (BitBucket & Github), Colab, Postman, JMeter

## WORK EXPERIENCE

### 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.

### School Leaver

#### Bank of Ceylon

Jan 2015 - Jan 2016    Chavakachcheri, Sri Lanka

Experienced the best working culture and carried out various IT & Customer related tasks in the bank.

## 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

## SOFT SKILLS

- Quick Learner
- Problem Solving skills
- Leadership Skills
- Strong team Player
- Good Communication Skills
- Time Management

## ACHIEVEMENT

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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.

## SOCIETIES & CLUBS

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Member

### Software Engineering Students' Association

📅 June 2017 – March 2020

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

## LANGUAGES

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English

Tamil

Sinhala



## REFEREES

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**Dr. (Mrs) Isuru Hewapathirana**

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