Udaya Prakash N

Passionate Engineer, Problem solver who loves team-work and is inspired to find solutions by applying technical knowledge to real-life scenarios.

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EXPERIENCE

Lynk Logistics, Chennai — *Software Engineer*

JULY 2020 - Present

- Developed a few of the critical backend modules/APIs using Golang for a new product, Distribution as a Service

Lynk Logistics, Chennai — *SDE Intern*

DEC 2019 - JUNE 2020

- Developed frontend for a new product (LTL Parcel Service) using ReactJS and Integrated REST APIs
- Developed an Incentive Engine and part of the team implementing an SQL to MongoDB migration using Kafka

Agrya Consulting Private Limited, Chennai — *Intern*

MAY 2019 - JULY 2019

- Developed and deployed a Deep Learning model to extract information from scanned invoices using OCR and NLP(Transfer Learning using ElMo).

EDUCATION

SSN College of Engineering, Kalavakkam — *B.Tech IT*

JULY 2016 - SEPT 2020   **CGPA - 7.52**

Prince Matriculation HSS, Chennai — Grade *XII*

JUNE 2015 - APRIL 2016   **94.9%**

Prince Matriculation HSS, Chennai — Grade *X*

JUNE 2013 - APRIL 2014   **97.8%**

PROJECTS

COVID India API

April 2020 – July 2020

A Flask RESTful Server that scrapes mohfw.gov.in website for state–wise distribution of CoronaVirus cases.

- Featured in COVID 19 API Postman Resource Center
  https://github.com/udaya2899/covid-india-api

SKILLS

Programming Languages
Golang
Python
JavaScript

Web Development
ReactJS
Redux
HTML
CSS

Infrastructure
Apache Kafka
AWS – EC2, Lambda
    – ECS, MSK
    – SQS, Eventbridge
Docker

Database
MongoDB
SQL Server

Tools and Methodologies
Git
Agile Development – Scrum

ACHIEVEMENTS

Winner, Team Leader – *JIT Hackathon 1.0 wherein 45+ teams participated from all over India. 2018*

2nd Runner, Special Jury Prize Winner (botminds.ai) for Computer Vision, Team Leader – *SRM Texus Hackathon 2018 – 45+ teams*

Runner, Team Leader – *RIT SAACHACK 2018 – 70+ teams*

Top 7 – MSHACKS – Microsoft Club Hackathon – Lovely Professional University, Punjab 70+ teams

Smart Real-Time Traffic Optimisation System

Dec 2017 - April 2018

A computer vision-based project which utilizes Google Maps Traffic data to optimize a traffic signal at a junction economically using OpenCV, Google Maps JS API, Raspberry Pi.

Bon Voyage - Smart Driver Safety Application

August 2018 - December 2018

An android application that focuses on driver safety to prevent the driver from sleeping and also detects crashes to alert hospitals

and trusted contacts using OpenCV, Keras, Ionic, Twilio.

POND - Portable Navigation Display

January 2019 - February 2019

Affordable portable LCD Display for navigation instructions that can be attached to any vehicle using Mapbox SDK, Raspberry Pi.

Detection of Deepfakes

June 2019 - Present

Algorithm to detect and identify if a clip is a deep fake or not using Deep Learning.

CONFERENCES AND PUBLICATIONS:

ICSIE '19 - 9th International Conference on Science and Innovative Engineering - *March 2019*

- Research paper on "Intelligent Driver System" accepted and published in the Journal of Advanced Research in Dynamical and Control Systems (JARDCS) indexed in Scopus and UGC.

  [Volume 11 | 06 - Special Issue](#)
  [Link to publication here](#)

ICAIECES '19- 4th International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems - *April 2019*

- First Author - Research paper on "Smart Real-time Traffic Optimisation System" accepted and published in the International Journal of Recent Technology and Engineering (IJRTE)

  [Volume 8 | Issue 2s4](#)

CERTIFICATIONS

Machine Learning 2 day Workshop - *Feb 2019*
Conducted by Lema Labs (Incubated at IIT-M) and Hyperverge at IIT Madras Research Park, Chennai.

Sixth Sense Computer Vision Workshop - *Jan 2018*
Conducted by Indian Institute of Science, Bengaluru as part of Pravega 2018

Data Science Workshop - *Feb 2019*
Conducted by AltSense, Chennai

Internet of Things Workshop - *Sep 2017*
Conducted by Lema Labs, IIT Madras Research Park

EAC - DST NIMAT - *Jan 2018*
Entrepreneurship Awareness Campaign by Department of Science and Technology - Entrepreneurship Development Institute of India (Regd. by Govt. of India)

ORGANISATIONS

SSN Photography Club (2019-2020)
President, Co-ordinator

SSN Photography Club (2016-2019)
Member

Association of Information Technology(2016- Present)
Member, All Event Coordinator

LANGUAGES

Tamil - Native
English - Fluent
(Speaking, Reading, Writing)
Hindi - Basic
(Reading, Writing)