

## EDUCATION

### Carnegie Mellon University

#### MS in Machine Learning

Aug 2021 – Dec 2022

Pittsburgh, PA

- Machine Learning (PhD), Probability & Statistics, research with Delphi group.

### Vellore Institute of Technology

#### B.Tech. in Computer Science and Engineering

Jul 2014 – May 2018

India

- CGPA: 9.59/10.00; Major CGPA: 9.64. Rank holder & Achiever Award
- TA for Data Structures & Algorithms; Undergraduate Research in AI
- Best Project award for the academic year 2015-2016 and 2016-2017
- Computer Science Program Representative & Student Council member

## EXPERIENCE

### Intel

#### Deep Learning Engineer (I / II / III)

Dec 2017 – Aug 2021

Bangalore, India

- Part of a highly selective innovation group, working on the R&D of new product verticals at Intel. Built Health AI, Smart City and Mobility products.
- Core & founding team member of the Health AI product vertical at Intel India.
- Led the technical execution to build solutions to achieve faster and cheaper COVID-19 testing and genome sequencing in India.
- Developed an AI-based risk stratification algorithm for the hospitals to admit the patients based on their risk level.
- Designed the City Stack (India Urban Data Exchange), which got adopted as the data exchange platform for all smart cities in India.
- Built a Mobility platform that uses Mobileye collision avoidance (ADAS), fleet telematics, fleet health & driver monitoring data to provide solutions to save lives on Indian roads by improving fleet safety, reliability and predictability.
- Co-founded an internal AgriTech venture (Emerging Growth Incubation).
- Contributed as an early members to OpenVINO and Movidius Edge AI products at Intel. Movidius powered the first satellite with AI on board.
- Wrote whitepaper on AI-Driven Medical Imaging Powered by Intel and Philips (Optimized for upto 188x faster inference for AI models).
- Mentored 3 healthcare startups incubating at Intel India, and a total of 5 interns and recent college graduates.

### Wingify

#### Data Science Intern

Jun 2017 – Jul 2017

Pune, India

- Built features for personalized push notifications to users to reduce spam & decrease the unsubscribe from services

### Cerelabs

#### Data Science Intern

Dec 2016 – Jan 2017

Mumbai, India

- Built models to predict machinery failures using ball bearings dataset
- Applied Deep Learning to analyze the customer service call record data

### Knolskape

#### Software Developer Intern

Jun 2016 – Jun 2016

Bangalore, India

- Gamified an existing product (Build Your Business) so that it could be used by the general audience and open a new avenue for the company

## SKILLS

Python, C, C++

Tensorflow, sklearn

Docker, Kubernetes, MLOps

Databases

Message Brokers

Cloud

Terraform, Helm

OpenVINO

## MOST PROUD OF



**Technologist of the Year, Intel**  
BU level - Youngest winner ever



**Best Project Award, Intel**  
BU level award for Health AI product



**Most Innovative Project Award, Intel**  
Site level award for Health AI product



**Recognition Awards, Intel**  
25+ recognition awards, many from VPs



**Multiple Hackathon Winner**  
By Microsoft, UT Dallas, Atlassian, etc



**Secure & Private AI Scholarship Challenge**  
Recipient of this scholarship by Facebook



**MIT Technology Review Global Panel**

## TECHNICAL LEADERSHIP



**Invention Disclosures**  
10+ Invention Disclosures at Intel



**Publications**

- Automated emergency paramedical response system, HISS, Springer
- PageRank Algorithm using Eigenvector Centrality-New Approach, GJPAM
- COVID-19 risk stratification & mortality prediction in hospitalized Indian patients
- Smart City: An Intelligent Automated Mode of Transport Using Shortest Time of Travel, Springer (Book chapter)
- Deep Neural Network inference acceleration, DTTC (Intel's top conference).



**Invited Speaker**  
10+ sessions. Topic: AI, AI Ethics & Privacy, Differential Privacy at FOSSASIA, GHC India, Amazon AI Conclave, DataHack, etc

## PAYING IT FORWARD



**www.covidsos.live**  
COVID-19 chatbot that dynamically curates essential resources and vaccination slot availability for those in India. Helped over 2 Million people. Called out by Twitter and other major media outlet.



**Stanford Scholar Initiative (AI/ML track)**  
Initiative to make research accessible. Led the groups to create research talks for the influential papers from top conferences.



**Swachh Map App, Intel (Contributor)**  
Allows users to pin unclean areas in India, notifies the authorities and tracks their progress. Called out by the Prime Minister.



**Practical Approach to Deep Learning**  
Course curriculum design (PES University)