MASHRIN SRIVASTAVA

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EDUCATION

MS in Machine Learning
Carnegie Mellon University
Aug 2021 – Dec 2022

- Intro to Machine Learning, Probability & Statistics, ML in Practice.

B.Tech. in Computer Science and Engineering
Vellore Institute of Technology, India
2014 – 2018

- 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

Deep Learning Engineer (Intern, Grade 3, 5, 6)
Intel
Dec 2017 – Aug 2021 | Bangalore, India

- Part of a highly selective innovation group, which works on research & development of new products at Intel.
- Core and founding team member of an on-premise, secure and privacy preserving edge inference platform product vertical.
- Led the 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.
- Developed the City Stack (India Urban Data Exchange), which got adopted as the data exchange platform for all smart cities in India.
- Co-founder/CTO of internal AgriTech venture (Emerging Growth Incubation).
- Among early members to contribute to OpenVINO and Movidius Edge AI products - Movidius powered the first satellite with AI on board.
- Whitepaper on AI-Driven Medical Imaging Powered by Intel and Philips (188x faster inference for AI models).
- Deep Neural Network inference acceleration, DTTC (Intel's top conference)
- Technical mentor for the healthcare startups incubating at Intel India.
- Mentored a total of 5 interns and recent college graduates.

Contributor and Directly Responsible Individual
Stanford Scholar Initiative
Feb 2017 – May 2018 | Remote (Volunteering)

- An initiative to make research accessible. Led the team to create research talks for the influential papers from top AI/ML conferences.

Data Science Intern
Wingify
Jun 2017 – Jul 2017 | Pune, India

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

Data Science Intern
Cerelabs
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.

Software Developer Intern
Knolskape
Jun 2016 – Jun 2016 | Bangalore, India

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

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.

MIT Technology Review Global Panel

TECHNICAL LEADERSHIP

Invention Disclosures
10+ Invention Disclosures at Intel.

Publications

- Automated emergency paramedical response system, 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).

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. It has helped over 2 Million people. Called out by Twitter and other major media outlet.

Swatchh Map App, Intel (Contributor)
It allows users to pin unclean areas countrywide, notifies the authorities and track their progress.

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

Cause Volunteer
100s of hours across multiple initiative.

SKILLS

Python, C, C++ | Tensorflow, scikit-learn | Databases | Docker, Kubernetes, MLOps