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 (Optimized for upto 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.

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.

SKILLS

| Python, C, C++ | Tensorflow, scikit-learn | 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, 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.

 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)
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.