Shilpi Mukherjee

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Summary

Hi, Shilpi here,
A CS undergrad student who is highly interested in AI and just loves to build AI products that can be used for the betterment of humanity (and in general). I currently am catching up with the fast-moving field of AI. Saying, I am interested in Deep Learning, Machine Learning, Reinforcement Learning, Computer Vision and GAN.

Experience
I have been a Machine Learning Research Intern for TeamCognito.
I have mentored team for SIH 2020 software and hardware.
I have been finalist in 9 PAN India Hackathons including Smart India Hackathon.

Skills
Deep Learning, Computer Vision, GAN, MEAN Stack, Phython.

Experience

Machine Learning Intern
Tecnixs Infotech
Jun 2020 - Present (9 months +)

Machine Learning Intern
TeamCognito
Feb 2020 - May 2020 (4 months)

Education

Netaji Subhash Engineering College 109
B. Tech, Computer Science and Engineering
2018 - 2022

Bidhan Chandra Institution For Girls
Higher Secondary, Science
2016 - 2018

Carmel Convent High School, M. A. M. C., Durgapur
ICSE
2004 - 2016

Skills

Python (Programming Language) • C (Programming Language) • Machine Learning • Computer Vision • Deep Learning • Mean Stack

Honors & Awards

Finalist : SIH Software 2020 - Amazon Web Services (AWS)
Sep 2020
"Antimicrobial Stewardship Platform"
I mentored the team Tech W@rriors, who developed a DL solution for predicting how long an antibiotic would take to be resistive on a human body based on his/her physiology and medical history.

2nd Position : SIH Hardware 2019 - MHRD Govt. of India.
Jul 2019
"Water From Thin Air"
My team developed the device to produce water from air. My part was to develop an optimised solution using Machine Learning Algorithm to control the air pressure and maximise water production in different climatic conditions.

1st Position : NASA SpaceApps Challenge 2K19 Institute Level. - NASA Space App Challenge Foundation
Sep 2019

1st Position : NASA SpaceApps Challenge 2K19 State Level at NASSCOM Kolkata - NASA Space App Challenge Foundation
Oct 2019
Within 24 hrs, Me along with my team created an Accident Prevention Prototype with Live Vehicle tracking that helps to report accident in a real time.
The system runs of
KNN-Random_Forest-SVM-Tensorflow-Flutter

Selected for KPIT Sparkle 2019 - KPIT
Oct 2019
SCR (Selective Catalytic Reduction) Monitoring System - We have developed a LSTM + Tensorflow to minimise the NOx (Nitrogen Oxides) emission in environment and using this model we can identify the SCR efficiency of engine in real time.

Top 10 in India : NASA SpaceApps Challenge 2K19. - NASA Space App Challenge Foundation
Oct 2019
Surface -To-Air (Quality) Mission
Me along with my team, integrated LSTM - Tensorflow + Flutter to create a model based app of air quality surface that displayed the most accurate data for a location and time along with creating an

algorithms that select or weight the best data from several sources for a specific time and location, and display that information.

Finalist: Bengalathon 2019 - Govt. of West Bengal

Nov 2019

Wearable Health Device : PoShirt - to correct the posture.

We created a wearable device to make the posture perfect. Me & my team-mate worked on around 2300 samples and fixed a model using Tensorflow, which was directly integrated with our hardware device.

Finalist: Bhopal Smart City Hackathon 2019 - Govt. of Madhya Pradesh

Dec 2019

Was selected among top 1800 teams across India to attend Bhopal Smart City Hackathon Finale and acknowledged as an Innovative data science and flutter developer.

Runner Up - Hult Prize 2020

Jan 2020

SURAKSHANA : Steroid Detector for meat and milk.