HITESH. KHANDELWAL

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PROJECTS

Aquestium | Founder | Founded an open research initiative called Aquestium. Building an ecosystem where students from across disciplines and colleges work together on desired research problems.

Open-Data-India | Founder | It's a hassle to extract meaning out of open data provided by India's government on india.gov.in. We are building a platform where all the data from various sectors can be easily accessible and insights can be easily extracted with meaningful visualization.

Hand Gesture Recognition System | Computer Vision | July 21 - September 21 | Developed hand gesture system that currently recognizes basic hand gestures in real time on a webcam. The project is ongoing and the final product is going to be an app that can be used to recognize standard American signs used in sign language to aid people communicate using sign languages.

Biases in deployed ML systems in real world| Research | April 21 - May 21 | A research project centered around doing case study of Biased ML systems deployed and used across the industries like legal (Compass), education (uk AI grading system), dating (tinder, bumble). Study was done to demonstrate the different kinds of biases that exist in ML systems and how it is harmful to society.

ML ETL pipeline | ML and SE | August 21 - | This is an ongoing project where I'm developing a user-friendly GUI based ETL software using Tensorflow extended. The aim of the project is to automate the basic ETl jobs in both structured (Image and audio) and unstructured problems.

Movie recommendation system | SE and JAVA | July - Sep 19 | As a part capstone project of coursera's SE specialization course offered by duke university, developed a basic movie recommendation system based on collaborative filtering algorithm.

Apache beam and Apache spark | Big Data | August 19 | Simulated a realtime incoming dataset of users and scores in a hypothetical game which was then used to do basic analysis using apache beam and spark.

Data centric ai competition | Computer vision | July19 - August19 | Ongoing competition organised by deep learning where using only data centric approach (and not model centric approach) increased the accuracy of the ML model by 15.4%. Currently ranked 27th with accuracy of 79.5% while the top spot is at 83% accuracy.

INTERNSHIP

Voggo Rentals | IOT intern | Worked as an IOT intern in hardware department of Vogo rentals where my work was mostly centered around research and field testing of iot devices on vogo vehicles.

Perpule | Data Analyst | Worked as Data Analyst in a startup called purple where my work was mostly centered around analyzing and performing descriptive statistics on sales data

EDUCATION

Ashoka University, Sonipat | Advanced scholars program | Advance major in CS | Aug 21 - May 22

Ashoka University, Sonipat | Undergraduate | Bsc., Majors in CS and Minors in Mathematics| Aug 18 - May 21

CERTIFICATIONS

Machine learning engineering for production systems specialization | Deeplearning.ai |

Practical Data science Specialization on AWS | Deeplearning.ai and AWS|

Tensorflow specialization | Deeplearning.ai|

Deep learning specialization | Deeplearning.ao

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SKILLS

Computer Vision - Intermediate | Machine learning - intermediate | Tensorflow and tfx extended - Intermediate |

Aws SageMaker - Beginner | Apache spark and beam - Beginner | Python - Intermediate | Communication - int |

SKILLS