

Abhishek Jain

ML/AI Enthusiast

Strong believer of the fact that AI can change the world for the better.



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EDUCATION

Engineering Physics

NIT Calicut

07/2019 - Present

PERSONAL PROJECTS

Optical character recognition software

(03/2020 - 06/2020)

- Developed a semi working OCR using computer vision principles
- Upto 88% classification accuracy and 76% redability
- Used OpenCv and Keras to create a robust scalable software

Chatbot (07/2020 - 07/2020)

- Created a fully functioning movie recommender chatbot using Rasa
- Used NLP with sentiment recognition to respond to queries
- Similar chatbots are used by various industries, to reduce human labour

Asteroid Diameter Predictor (08/2020 - Present)

- Building an asteroid diameter predictor using the data available from the Jet Propulsion Laboratory at NASA
- On track to reach 0.96 R2 score using GradBoost and MLP algorithms

Particle Identifier (04/2020 - 04/2020)

- Created a particle identifier using the data available from CERN labs
- Data from Ring Imaging Cherenkov detector was used to detect and identify particles
- Path detection algorithm was used to detect the radius and predict its momentum, thus resulting in information about the mass
- A reproduction of tasks taken up by CERN

Supply Drone (06/2017 - 08/2017)

- Built a supply drone quadcopter using Arduino microprocessor
- Can be used for upto 2kms without losing any signal
- Useful in disasters to reach inaccessible areas

SKILLS

Communication



Team Work



Python



C



Machine Learning



TensorFlow



Keras



Sklearn/scikitlearn



OpenCv



ACHIEVEMENTS

Jee Mains, 2019- 98.6 Percentile

ORGANIZATIONS

Indian Society For Technical Education

(06/2020 - Present)

Web Developer

Team Unwired FS (07/2020 - Present)

CERTIFICATES

Machine Learning

Tensorflow in Practice

Deep Learning Specialization

Data Structures And Algorithms

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

ML/AI

Data Science

Reinforcement Learning