

Abhishek Jain

Software Developer

A strong believer in the fact that AI can change the world for the better. Looking for software development experience.



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EDUCATION

Bachelor of Technology, Engineering Physics

National Institute of Technology, Calicut

07/2019 - 06/2023

Calicut, India

PERSONAL PROJECTS

Student manager software (01/2021 - 02/2021)

- Used NodeJs and MongoDB to make a Student Manager software
- Tasks such as registration, removal, updating were programmed

Asteroid Diameter Predictor (08/2020 - 01/2021)

- Building an asteroid diameter predictor using the data available from the Jet Propulsion Laboratory at NASA
- Achieved 0.96 R2 score using GradBoost and Random Forrest Regresor

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 labor

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.

Particle Identifier (04/2020 - 04/2020)

- Created a particle identifier using the data available from CERN labs
- Data from Ring Imaging Chernkov 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

Data Augmentation using GANs (12/2020 - 12/2021)

- Used generative adversarial networks to augment the Xview Dataset.
- Improved the classification accuracy by 7% using a ConvNet.

SKILLS

Communication

Problem Solving

Python / Django

Machine Learning, Applied AI

TensorFlow, Keras, OpenCv

C / C++

ACHIEVEMENTS

6 star problem solving, HackerRank

4 star competitive programming, Code Chef

Specialist on codeforces.

JEE Mains, 98.6 percentile

ORGANIZATIONS

Indian Society for Technical Education, NITC Students Chapter (09/2020 - Present)

Software Developer- Worked on developing a static webpage for the organization. Used Pandas to deploy statistics of an All-India mock JEE Mains Exam.

CPhub (Competitive Programming) (01/2021 - Present)

Performance Consolidator- responsible for accumulating data regarding contests and providing meaningful feedback from the same.

Team Unwired (10/2020 - Present)

Coding Team- Part of the web development team.

CERTIFICATES

Machine Learning, Stanford University

Deep Learning, DeepLearning.AI

Data Structures and Algorithms, Chennai Mathematical Institute

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

INTERESTS

ML/AI

Web-Dev

Software Development