

AMIT YADAV

+917518844490 | Noida, India | amitech90@gmail.com | [LinkedIn](#) | [GitHub](#) | [Kaggle](#)

EDUCATION

B. Tech, Noida Institute of Engineering and Technology, India 2020-2024

Bachelor's degree in computer science and engineering: Artificial Intelligence

Relevant Coursework: Python, Data Structures, Database Management Systems, Operating System, Machine Learning

SKILLS

- **Languages:** Python, R Programming, Java, SQL, HTML/CSS, JavaScript, Solidity
- **Frameworks:** TensorFlow, OpenCV, Flask, Streamlit, YOLOv7,v8, PyCaret, LazyML, PaddleOCR, PyTorch, Tesseract, Pandas, NumPy, matplotlib, Keras, Scikit-Learn, Pipeline
- **Cloud:** Aws, Google Cloud
- **Software & Tools:** Microsoft Office, Visual Studio, Git, GitHub, Big Data, Aws, Cuda Computation, Linux.
- **Soft skill:** Time Management, Problem Solving, Teamwork, Public Speaking Adaptability, innovative, creative.

EXPERIENCE

ML Intern at Reliance JIO

06/2023 – 08/2023

Reliance JIO, India

- During the time of my internship I have developed an ml based OCR(Optical Character Recognition) system that reads information on any medicine and extract information like Batch no., Expiry Date, Mfd date, price([link](#))
Tools used: PaddleOCR, YOLOv7, Pytorch, OpenCV
- Developed a warehouse surveillance system for BlueDart while working at JIO, where the task of the system is to detect various violations like height of a shipment, shipment miss handling, truck docking time, dock out time, etc. Basically the use of the system is to create a automated surveillance system with auto alert mechanism which is hosted on jiocloud with user interface and recorded video on the interface.

Trainee at Amazon ML Summer School India

08/2022– 10/2022

- It was an extensive training session delivered by scientists of amazon covering extensively topics of machine learning.

PROJECTS

Violence Detection Alert System, Built a alert system that recognize if any violence is detected via CCTV camera then it sends and alert to management by using OpenCV, NumPy, Matplotlib, Email, TensorFlow, Keras ([project link](#))

AI Drawing Tool. Built a tool for college to draw and write anything on the screen with help of hand gesture, no instrument is required. By using OpenCV, NumPy, Media Pipe. ([Project link](#))

Healthcare Chatbot. Built a chatbot for women menstrual cycle where women's can ask their private periods related queries. Using Flask, Keras, NumPy, NLTK, JavaScript, HTML, and CSS, ([project link](#)).

EXTRA-CURRICULAR ACTIVITIES

- Finalist in Smart India Hackathon-2022 for solving a real-world problem surveillance system using Computer Vision
- First winner of Rs.5000 at the Project Development Skills Hackathon-2021.
- Conducted extensive research on the development of a Deep Neural Network model for sentiment recognition; published paper in the International Journal of Trend in Scientific Research and Development (IJTSRD).

LEADERSHIP

- Team Lead and Mentor of a bootcamp for basic of computer vision and another one for cyber security.
 - Lead team of 5 students for developing industry level project and also on several ML research projects .
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