

AKSHAY NAMDEV KADAM

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Github :- <https://github.com/akshaykadam771>

PROFILE

A passionate data science enthusiast having knowledge in Deep Learning, Natural Language Processing (NLP) & Machine Learning algorithms to solve challenging business problems. Strong background in Python and knowledge of various types of Machine Learning algorithms and Deep Learning algorithms & NLP SOTA models like Transformers, BERT, etc. Hands on experience of creating projects using Machine Learning and Deep Learning.

TECHNICAL SKILLS

- **Programming Language** :- Python , Embedded C
- **Tool / IDE** :- Pycharm , Jupyter Notebook , Proteus , Keil
- **Operating system** :- Linux(Ubuntu), Windows
- **Cloud Platform** :- Heroku , Pivotal
- **Databases** :- MongoDB
- **Web-Framework** :- Flask
- **Electronics** :- Embedded System , Microcontroller , IOT

WORK EXPERIENCE

DEEP LEARNING INTERN

Ineuron Intelligence, Bangalore (Aug 2020 – Jan 2021)

1) Project :- Factory Workers Activity recognition Using Pose Estimation

- Worked on building a model to detect various workers activities in the factory to monitor there efficiency in work.
- It helps to monitor each individual workers performance towards there work.
- Final aim is to make a system which gives performance measure of each worker & ultimately helps to reduce the manpower which required to supervise the workers.

Link :- <https://www.youtube.com/watch?v=QAVrSm-NiBo&t=35s>

2) Project :- People Counter

- Building a model to count people based on people heads using Object Detection model.
- It helps to various Malls,Shops & Private Places to understand there crowed & collect the various insights from that such that people count at specific time,average time they spend & many more

ELECTRONICS R&D INTERN

Bramhansh Technology Pvt Ltd. Pune (Oct 2019 – Jan 2020)

Project :- Bone Conduction Headphones

- Worked on Biomedical device "Bone Conduction Headphones" as Electronics R&D intern.
- I was working on battery optimization,collect performance measure of device & chip programming.

PROJECTS

• Suspicious-Activity-Detection-Using-Pose Estimation

Language :- Python Algorithm :- AlphaPose ML Model :- XGBOOST

- It is 'AlphaPose' & 'XGBOOST' based " Suspicious-Activity-Detection-Using-Pose Estimation " project.
- Purpose of this project is to make a system which can detect if someone is trying to climb a house compound wall & trying to do some suspicious activity.
- This model will detect this activities accurately & helps to prevent those kind of activities by giving real time feedback.

Github-Link :- <https://git.io/JtGzJ>

Linkedin-Link :- <https://www.linkedin.com/feed/update/urn:li:ugcPost:6758290673201496064/>

• Satellite-Image-Object-Detection

Language :- Python Algorithm :- Mask-Rcnn framework :- Flask

- It is 'Mask-Rcnn' & 'Flask' based " Satellite-Image-Object-Detection " project.
- Purpose of this project is to make a model which can detect various objects (River,Forest,Building,etc) present in the satellite image.
- This model will detect the objects present in the Satellite image as well as for accurate positioning it will Segment the detected objects using "Semantic Segmentation".

Github-Link :- <https://git.io/JtGzk>

LinkedIn-Link :- <https://www.linkedin.com/feed/update/urn:li:activity:6708357131101462528/>

• Vehicle-Number-Plate-Detection

Language :- Python Algorithm :- TFOD & EasyOcr framework :- Flask

- " Vehicle Number Plate Detection " using Tensorflow Object Detection using "SSD" algorithm and Flask Framework.
- Purpose of this project is to detect the number plate from vehicle and give the information about the vehicle.
- The model will Detect the number plate and using "SSD" TFOD model and after detecting it it will convert it into text using "EasyOcr" method.
- Finally it will give the information about the Vehicle Number and its State.

Github-Link :- <https://git.io/JtGzl>

LinkedIn-Link :- <https://www.linkedin.com/feed/update/urn:li:activity:6704622376937771008/>

- **Wine Quality Prediction**

Language :- Python Algorithm :- Decision-Tree framework :- Flask

- "Wine Quality Prediction" web application using "Decision-Tree" Machine Learning algorithm & using "Flask" framework which is deployed on "Heroku" cloud platform.
- In this App, we can predict the quality of red wine. In prediction it gives score between 0(very bad) – 10(excellent).

Github-Link :- <https://git.io/JtGzt>

App link :- <https://wine-quality-predicton.herokuapp.com/>

EDUCATION

B.TECH	• Government College of Engineering, Karad (Electronics & Telecommunication)	8.63 (CGPA)	2016-2019
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DIPLOMA	• PVPIT College Budhgaon, Sangli (Electronics & Telecommunication)	91.29 %	2014-2016
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CERTIFICATES

- " Deep Learning & Computer Vision Masters" from Ineuron.ai (Dec 2020)
- "Natural Language Processing" Masters from ineuron.ai (Dec 2020)
- " Machine learning Master's " from Ineuron.ai (SEP 2020)
- " Python for Data Science " from Ineuron.ai (MAY 2020)
- " Data Science Architecture " from Ineuron.ai (MAY 2020)
- " Machine learning " Course from Udemy. (Feb 2020)

ACHIEVEMENTS

- Runner up in Mutant at ADCET College of Engineering, Ashta. (2019)".
- 1st rank in Project-Expo - Aavishkar 2K18, Government College of Engineering Karad. (2018)"
- 1st rank in Project-Expo - Innovation 2K18, SIT College of Engineering. (2018)
- Runner up in Mutant at Walchand College of Engineering, Sangli. (2017 & 2018).
- Participated in "Whirlpool Hackethon 2018".

PERSONAL DETAILS

- **Name** :- Akshay Namdev Kadam
- **Date of Birth** :- 1 July 1996
- **Marital Status** :- Unmarried
- **Current Address** :- A/P Bamnoli, Sangli, Maharashtra, India.
- **Permanent Address** :- A/P Bamnoli, Tal-Miraj, Dist-Sangli, Maharashtra, India.
- **Language known** :- English, Hindi, Marathi.