# PROFILE IIAAI01

PROFILE Enthusiastic Data scientist adept coupled by an equally proficient coding skills in python with a keen interest in building solutions to problems pertaining to AR/VR, image/video analysis, autonomous driving.

## EMPLOYMENT HISTORY

Oct 2020 — Present Machine Learning Engineer,

- Classified different types of defect in wheat grains.I was able to achieve around 80% accuracy and this will help the buyers in estimating the quality of grains
- Classified different types of defect in Textiles.I was able to achieve

70% accuracy. Text Summarization

- Created summary from pdf files.

May 2018 — Sep 2019 ML Engineer,

Implemented a Face Recognition system from scratch using OpenCV, MTCNN and FaceNet. Time Series

- Used ARIMA to develop a time series model to analyze the attrition rate over a period of 1

year time span Opportunity Prediction

- Performed EDA and data transformations in order to better predict the chances of winning a project.
- Analyzed given text and built a Random Forest Classifier to predict if there will be any conflict between existing and new project.

Nov 2014 — Apr 2018 Software Engineer,

Bangalore Classification Project

- Developed a XGBoost classifier to detect the defaulters in different

telecommunication industry. Time Series

- Built ARIMA model to forecast the churn rate for a span of

6 months. Tableau

- Worked on Data pre-processing & Visualization alongside Building regression models using python.

## INTERNSHIPS

Feb 2020 — Oct 2020 Machine Learning Researcher,

Waterlooville Person Tracking + Pose Detection

- Implemented Open pose model to detect hands of person in live video stream
- Integrated Person tracker with pose

detection. Object Detection

- Built an Object Detector from scratch using Detectron2 model.

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## EDUCATION

Sep 2019 — Aug 2020 **MS in Data and Business Analytics, Rennes School of Business** Rennes Modules Included - Market Segmentation, Customer Segmentation, Machine Learning, Statistics, Computer



Vision,

Aug 2010 — May 2014 **Computer Science, Shri Shankaracharya College of Engineering** Bhilai Modules Included - Python , Mathematics, Algorithm Development



SKILLS Python OpenCV

Experienced
Experienced
SQL Keras

Skillful Skillful

Skillful
Skillful
Skillful

NLP

Experienced

Experienced

Experienced

Computer Vision Experienced C++ Skillful
Tableau Statistics

PROJECTS
Image Processing Machine Learning VB

Jul 2020 — Jul 2020 **Drowsiness Detection**

- Built a Drowsiness Detector which can be used to detect if a person is falling asleep and could alert him on the same

Jan 2020 — Jan 2020 **Motion Detection**

- Worked on Foreground detection and detecting motion in videos using OpenCV

Feb 2020 — Feb 2020 **Gesture Recognition**

- Recognising hand gestures using OpenCV

Aug 2020 — Present **3D implementation**

- Learning to create 3D structures out of 2D images

Jun 2019 — Jun 2020 **Sentiment Analysis**

- Sentiment Analysis of "The Lion King" Movie Reviewsusing NLP and AI Algorithm