

# AYUSH GURARIA

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## EDUCATIONAL

**Manipal University Jaipur** - B.Tech, Computer and Communication Engineering (2021)

*Leadership:* Presided & founded various collegiate societies; Curated the first collegiate fitness fest; Organised national entrepreneurship summit and cultural fest.

## TECHNICAL SKILL SET

- **Programming and Scripting Languages:** Python, C, C++
- **Database Tools:** MySQL, SAP Analytics Cloud.
- **Tools:** Google Colab, VS Code, Jupyter Notebook, Heroku, MS Excel, Unity, Vuforia Engine, Model Target Generator, Latex.
- **Python Libraries:** Pandas, Numpy, Seaborn, Keras, Tensorflow, Matplotlib, dvc, pytest, ScikitLearn, MLOps.

## WORK EXPERIENCE

### Quest Global

*Artificial Intelligence Intern*

**Trivandrum**

*Jan'21 - Present*

- Developed real life use cases of Computer Vision and NLP applications:
  - Speech to Speech Language Translation - NLP.
  - Object Detection and Animation - Deep Learning & AR.
  - Driver Monitoring System - Deep Learning.

### Deloitte Touche Tohmatsu Limited

*Summer Intern*

**Kolkata**

*Jun'19 - Jul'19*

- Worked with the Consultancy team, using SAP Analytics Cloud to solve problem statements.
- Interacted with clients and worked on the dashboards system which enriched decision making regarding resource allocation and inventory.

### Piltover Technologies

*Research Intern*

**Jaipur**

*Oct'17 - Sept'19*

- Conducted survey and meetings for Market Insight, with 50+ stakeholders (both customers and dealers) for reconnaissance of the utilities required which directly tied in with developing the features for the product and improved the marketing network.
- Performed research work for the technical team for introducing new features in the product.
- Contested in, and gained recognition in national and international level Startup Events.

## PROJECTS

### Driver Monitoring System

**Competences:** Python, Keras, Tensorflow

The program makes use of CNNs to determine if the driver is distracted (texting, eating, talking on the phone, makeup, reaching behind, etc) or is feeling sleepy/drowsy. [\[CODE\]](#)

### Object Detection and Animation

**Competences:** Unity Development Software, Vuforia Engine, Model Target Generator

A 3D model of the object is trained, and after detection, all the parts of the object are labelled for the user to see, via AR.

### End-To-End Wine Quality Prediction Using MLOps

**Competences:** Python, Heroku, MLOps, dvc

A project to implement all components of a machine learning lifecycle, which can be updated in real time, and deployed. In this, we do a prediction of the wine quality based on numerous factors, and return the quality score. [\[CODE\]](#)

### Twitter Sentiment Analysis

**Competences:** Python, nltk

Predicts if the given tweet is racist/sexist or non racist/sexist using SVMs, Random Forest, and Word-toVec, and we compare the various outputs. [\[CODE\]](#)

### Certifications: MOOC Courses

#### University Of Colorado, Boulder

Introduction to Data Analytics for Business

**Colorado, USA**

*Nov'20*

#### IBM

Python for Data Science AI  
Machine Learning with Python

*Apr'20*

*Jul'20*

#### Coursera Project Network

Exploratory Data Analysis with Seaborn

*May'20*