

# Md. Ejazul Hassan

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## Education

**R.V.S. College of Engineering and Technology.**

B.TECH. Computer Science and Engineering (2016 – 2020)

**G.B.S.S. Intermediate School.**

INTERMEDIATE with 70%

**Kendriya Vidyalaya.**

MATRICULATION with 68%

## Technical Skills

**Programming Languages:** C, C++, Python

**Web Development:** HTML, CSS, JavaScript, PHP, Bootstrap, Django

**Database:** SQL, MongoDB

**Software Tools:** Tableau, Power BI, Docker, My-SQL, Jupyter notebook, PyCharm, Vs Code, Spyder

**Machine Learning** Exploratory Data Analysis, Data pre-processing, Handle Nan Values, Removing Outliers, train our model by the help of Machine Learning Algorithm.

**Frameworks:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, OpenCV, Nlp, Web Scraping, Beautiful Soup.

**Deep Learning --** Artificial Neural Network, Convolution Neural Network – Padding, Max Pooling, Data Augmentation

## Projects

### Attendance System using Face Detection, (Major Project)

- Developed an application to take attendance by identifying the face of a student.
- **Create dataset:** it takes Id as input from user and then a new window opens up and captures 30 snaps of face and stores them in database.
- **Train Dataset,** it uses the database created to train the system with label **Id**.
- **Recognize & Attendance,** it detects face and matches the face with the database and if recognized makes entry in attendance database. And at last
- **Attendance Sheet,** it will show the attendance sheet created.
- Make use of various python libraries and frameworks such as **OpenCV, python-firebase, Python Imaging Library(pil), Tkinter, HaarCascade Classifier** to identify objects in an image. I also used Machine learning Algorithm i.e. **L.B.P.H algorithm** to recognize face from the image.

### Railway Announcement software using Python,

- Developed a software by used of **gTTs api** to convert text into audio and use of **Pandas** library to read the xlsx file and **PyAudio** library to record the audio.

## Achievements

- Participated in **Analytics vidya's Hackathon** "Computer vision problem" by the help of Convolution neural network got accuracy 82%.
- Awarded a winner prize of Maze Solver Bot in our college "Technical Fest" (2019). Make use of **Arduino, Motor driver, Ultrasonic sensor** to detect the obstacles.

## Training

I have completed 1-month training from Machine learning with Data Science from TECHIENEST PVT. LTD. Hyderabad. I learn here Machine learning Algorithm i.e. **Linear Regression, Logistic Regression, Decision Tree, SVM, KNN, Random Forest, K- means clustering** with hands on practical knowledge. Learn Numpy, Pandas, Seaborn, Matplotlib library to manipulate **Exploratory data analysis and pre-processing** technique before model building.