YASH VAISHNAV

"Experience with Machine Learning, Computer Vision, Deep Learning, Artificial Intelligence, Web Scrapping, App Development"

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PERSONAL PROFILE

I am driven individual with the ability to adapt to any situation and proven potential to grow self and others

EDUCATION HISTORY

B.E. in computer science
Parul University,Vadodara
Graduated (2016 –2020)
CGPA : 7.5 / 10

Computer Vision Nano-Degree

SKILLS

LANGUAGES

- Python
- C++
- Javascript
- Laravel
- Java

TECHNOLOGIES

- Unity Engine
- Git
- Colab
- Amazon Web Services
- Google Cloud Platform
- Firebase
- IBM Watson
- React-Native
- Android Studio

AWARDS & RECOGNITION

- Winner of Hackathon conducted by Github powered by HackerEarth
- Trained & Mentored more than 350+ students in computer science through seminars and hands on workshops
- Invited as a speaker by Unity Community for using potential power of Unity combined with Machine Learning (Unity ML)

Active Contributor

WORK EXPERIENCE

ARTIFICIAL INTELLIGENCE INTERN

Tata Consultancy Services | 2020 – Ongoing
- Developed Handwritten character recognition web app
- Using NIST handwritten dataset
- Gives user an easy to read format of documents in seconds

FREELANCING

Freelancer Inc. | 2018 – 2019
- App Development (Android & Ios)
- Web Development (Static, Dynamic, MVC)
- Game Development (2D, 3D, Augmented Reality, Virtual Reality)

PROJECTS

MOBILE APPLICATION

FARMDVAAR   **(LINK)**
- Design and Developed a Progressive Web App that helps connect farmer directly to the end user to buy and sell farm produce
- Supports Android, Ios, Windows or any OS having web browser installed

MACHINE LEARNING

- MICROSOFT MALWARE DETECTION
- Facebook Friend Recommendation
- GBDT on Donors Choose dataset
- NLP with Transfer Learning (**BERT**)
- NLP Attention Mechanism
- Spoken Digit Recognition
- Recommendation System and Truncated SVD SGD Algo to predict ratings
- Naive Bayes on Donors Choose dataset
- Decision Trees on Donors Choose dataset
- Chatbot using Rasa
- Build a Machine Learning Web App with Streamlit and Python

DATA ANALYSIS

ARVATO FINANCIAL SOLUTIONS USING CRISP-DM   **(LINK)**
- Analysis that will be able to predict customers for Arvato Financial
- Using principal component analysis and K–means algorithm

Boston Airbnb using CRISP-DM   **(LINK)**
- Data preparation, exploration to find profits based on geolocation
- Addition of different features resulting better output

COMPUTER VISION

IMAGE CAPTIONING   **(LINK)**
- Generate caption on image as input using RNN, LSTMS, YOLO and Attention Mechanisms

SLAM   **(LINK)**
- Landmark Detection & Tracking for self driving cars using Kalman Filter for one dimensional tracker and Bayesian filter for uncertainty in motion

Facial Key point Detection
- Image processing using CNN and OpenCV

DEEP LEARNING

TV SCRIPT GENERATION   **(LINK)**
- Performing sentimental analysis with combined RNN, LSTMS using Pytorch to generate T.V. script

FACE GENERATION
- Face generation using DCGANS