

Vaibhav Kumar

<https://vaibhavkumar11.github.io/>

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EDUCATION

- **Delhi Technological University** New Delhi, India
B.Tech in Mathematics and Computing; GPA: 8.42/10.0 *Aug. 2016 – Present*
- **Hope Hall Foundation School** New Delhi, India
Higher Secondary Education; Percentage: 91.8% *Apr. 2013 – Mar. 2015*
- **St.Vincent's High School** Asansol, India
Secondary Education; Percentage: 94.33% *Apr. 2003 – Mar. 2013*

EXPERIENCE

- **University Student Internship Program(USIP)** DTU, New Delhi
Web Developer *Aug 2017 - Dec 2017*
 - Developed a site to address the queries of students regarding resources available in humanities department
- **Artifacia** Bangalore, India
Machine Learning Intern *May 2019 - July 2019*
 - Developed pipeline for instance segmentation of fashion products using segmentation and exposed as an API
 - Designed a pipeline for visual search of similar fashion products using triplet sampling, ConvNet and image ranking and exposed as an API

PROJECTS

- **Dots and Dash:** An android app to allow paralyzed people to control the television by blinking their eyes. **Link**
 - Used SVM with HOG features to find eye of the user and CNN model to classify images into open and closed eyes
 - Converted eyeblinks into morse code so that TV channels could be changed
- **Movie Recommender System:** Movie recommendation's based on various algorithms **Link**
 - Scrapped IMDB, based on the MovieLens dataset to get top250 movies along with user ratings
 - Used user-user,item-item collaborative filtering and matrix factorization and deployed on heroku using flask backend
- **Writer Independent Offline Signature Recognition Using Ensemble Learning:** **Link**
 - Used a stacked model of signet and signet-f (CNN based models) for feature extraction
 - XGBoost classifier was used to classify signatures based on feature extracted
 - Stacked results from both classifiers to learn difference between real and forged images
- **CLI Notes App:** A terminal based app which allows the user to make to-do lists. **Link**
 - NodeJS based terminal app which use arguments to directly add, delete, edit to-do lists from terminal

PROGRAMMING SKILLS

- **Languages:** Python, C++
- **Frameworks:** Tensorflow, Keras, Scikit Learn

ACHIEVEMENTS

- **JEE Mains 2016:** Secured a %ile score of 99.5(Marks:206)
- **Winner Best Data Visualization, EXL EQ 2019:** Among the 6 finalist's from all over India and winner in best data visualisation track
- **Winner, Dishathon 2018:** Adjudged as winner's for Dots&Dash application amongst 100 teams from all over the nation.
- **Finalist, AXIS AI Challenge 2018:** In top 20 teams at the finals from 3500 teams from all over India