Jaydeep Chauhan

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A Computer geek, who is passionate about Machine learning and AI, with strong technical, analytical and communication skills for working in a team.

Personal Details

- **Date of Birth** : 8 November 1997.
- **Language known** : English, Hindi and Gujarati.
- **Permanent address** : A-1/5, Purshottam Nagar, Old Dumral Road, Near Vaishali cinema,Nadiad Gujarat, India-387002.

Education

- **Dharamsinh Desai University, Nadiad**
  B.Tech in Computer Engineering, CPI:7.57/10(Sem 1-8) *Aug 2015-May 2019*
- **St.Annes High School, Nadiad**
  Higher Secondary Education(HSC), Percentage:83.6% *June 2013-April 2015*
- **Sharda Mandir High School, Nadiad**
  Secondary Education(SSC), Percentage:95% *June 2012-April 2013*

Experience

- **Bhaskaracharya Institute of Space Applications and Geoinformatics**:| Dec 2018-April 2019
  Software Engineering Intern - Developing a decentralized chatting application based on open-source matrix framework.

Publications

- Jaydeep T. Chauhan et al."Comparative Study of GAN and VAE," International Journal of Computer Applications 182(22):1-5, October 2018.

Courses

- **Computer Science**: Data structures, Algorithms, Computer Networks, Automata Theory, Artificial Intelligence, Operating Systems, Knowledge Discovery, Compiler Construction, Computer Architecture
- **Mathematics**: Calculus, Numerical Analysis, Linear Algebra, Probability and Statistics, Differential Equations

Interests

- Machine Learning, Deep Learning, Generative Models, Probabilistic Graphical Models, Bayesian Inference, Cognitive Neuroscience

Skills

- **Advance**: C, Java SE, Data Structures, Algorithms
- **Moderate**: Python, OOP, PHP, ASP.NET, MySQL, HTML, CSS, Javascript
- **Novice**: Git, LATEX, Matlab, Django

Selected Projects

- **Chatclub**:| Dec 2018-March 2019
  Using Python, Angular, sqlite
  It is a decentralized peer to peer chatting application developed for government officers and Scientists of BISAG during Internship, which is based on open-source Matrix framework.
- **Image generation using DCGAN and VAE**:| Jul 2018-August 2018
  Using Tensorflow, Keras, Numpy
  Implementation of DCGAN and VAE to generate images, which is trained on MNIST dataset.
- **Duplicate Image Detection tool**:| Feb-March 2018
  Using Python
  This is a small desktop utility that can detect duplicate images with different resolution, size and orientation using dhash algorithm.PyQT is used to develop GUI.It can also detect salt and pepper noise and can remove it.
- **Artistic Neural Style Transfer**:| November 2017
  Using Tensorflow, Keras, Numpy
  It is an implementation of Gatys paper titled: 'Neural algorithm on artistic style' using tensorflow and keras.
- **Music Recommendation engine and hosting web application**:| September 2017
  Using C#,asp.net
  User can able to download and online stream the music.Based on user's rating, the system can recommend songs to the users based on collaborative filtering algorithm.
- **Spam classification of emails**:| October 2017
  Using Python
  classify whether emails are spam or not based on naive bayes classifier.Scikit learn and numpy libraries are used.
- **Web crawler and information retrieval system**:| February 2017
  Using Php, ajax, jquery, materialized css, Javascript
  Small project which crawls websites and store information in database. User can retrieve information using search engine and system shows relevant web pages according to a query.

Extracurricular activities

- Part time competitive coder on codechef.
- Part time Kaggler by participating in machine learning and data science competitions.
- Amateur selftaught guitarist.
- Doing reserach on deep learning.

Additional Information

- LinkedIn
- Github