PARTHIK BHANDARI   **connect2parthik@gmail.com**

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Projects

- **Deep Neural Network from Scratch**   2019
  A Deep neural network created from scratch i.e. without the use of any Machine Learning/Deep Learning library or framework and just using the pure mathematics and numpy (python library for mathematical calculations and matrix manipulations).
  Github Repository link

- **Neural Style Transfer**   2019
  NST is a Deep Learning based Image Fusion Technique which recreates a *Content Image* in the composition of a *Style Image*. Implemented using Keras (Tensorflow backend)
  ** Extended the program to run on videos too.
  ** PyTorch Backend (*under progress*)
  Github Repository link

- **filterV**   2020
  A Python pypi-package to study/visualize the effects of filters applied to an image in Convolutional Neural Network.
  pypi link | Github *Repository link*

- **mah-rio**   2019
  An autonomous Super Mario game-bot created using Genetic Algorithm wrapped around NeuroEvolution of Augmenting Topologies (NEAT-python)
  Github Repository link

- Handwritten Digit Recognition using MATLAB   2019

Education

Bachelor of Technology – Electronics and Communication   2017 - Present
Bhagwan Parshuram Institute of Technology, Indraprastha University, New Delhi
- Current Aggregate (up to 2nd year) : 66%
- Annual Fest Technical Team member - 2018, 2019

Higher Senior Secondary | 12th Standard   2015 - 17
CBSE - Vivekanand School, New Delhi
- Secured 78.2%
- Won District Level Football Tournament - 2016
- Won English Debate Competitions, Treasure Hunt, Article Writing, Poetry Writing

Senior Secondary | 10th Standard   2002 - 15
CBSE - St. Thomas School, Ghaziabad, U.P
- Secured 10 CGPA
- Won the State Level CBSE Science Exhibition – 2014, Taekwondo Tournaments, Volleyball/Kho-Kho Tournament – 2014, English/Hindi Debate Competitions, Article Writing, Story Writing, School Level Science Exhibition – 2013, 2014

Technical Skills

Deep Learning	Machine Learning	Python	Data Science
Deep Neural Networks	Linear Regression	Object-Oriented Programming	Data Analysis
Convolutions NN	Logistic Regression	Data Structures and Algorithms	Data Visualization
Tensorflow	Decision Tree	Flask	Data Engineering
PyTorch	Random Forest		