PARTHIK BHANDARI **rockon.parthik555@gmail.com**

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Projects

- **Deep Neural Network from Scratch** 2019 *(in progress)*
  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 *(in progress)*
  NST is an optimization technique used to take two images, a *content image* and a *style reference image* (such as an artwork by a famous painter) and blend them together such that the generated image is transformed to look like the content image, but "painted" in the style of the style image.
  Tools used:
  Transfer Learning (VGG-19 model), Keras (with Tensorflow backend) and Google Colab
  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 2014 - 15
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 2012 - 13
CBSE - St. Thomas School, Ghaziabad, U.P

- Secured 10 CGPA
- Won the State Level CBSE Science Exhibition - 2014
- Won many Taekwondo Tournaments
- Won Volleyball, Kho-Kho Tournament - 2014
- Won English/Hindi Debate Competitions, Article Writing, Story Writing, School Level Science Exhibition

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
Transfer Learning	Random Forest		