

Pranav Garg

Aspiring Artificial Intelligence Researcher

A straight shooting go-getter with an unquenchable thirst for knowledge and a large appetite for hard work



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WORK EXPERIENCE

President and Founder

Society for Artificial Intelligence and Deep Learning

08/2017 – Present

BITS Pilani

Goa

Intern

Google Summer of Code 2018 - Ruby Science Foundation

05/2018 – Present

I am developing a scientific plotting library for Ruby From scratch

System Admin

Kosambi Administration and maintenance team

12/2017 – Present

In charge of the management of the cluster computer (Kosambi) in BITS Pilani

Goa

Electronics and HPC Co-ordinator

Sandbox Makerspace

02/2017 – Present

I am incharge of curating electronic equipment and mentoring teams on their usage as well as maintaining GPU's for HPC. The Makerspace is in BITS Pilani

Goa

Vice President

IEEE Student Branch

04/2017 – 04/2018

BITS Pilani

Goa

Research Intern

Indian Space Research Organization (ISRO)

05/2017 – 02/2017

Lead the project for object detection in Sattelite imagery

RRSC-W Jodhpur

Mentor

Electronics and Robotics Club

11/2015 – 08/2017

Goa

LANGUAGES

C++	●	●	●	●	○
Python	●	●	●	●	○
Ruby	●	●	●	●	○
MATLAB	●	●	●	○	○
Bash	●	●	●	○	○

SKILLS

Machine Learning

Deep Learning

Computer Vision

Natural Language Processing

Reinforcement Learning

Theoretical Neuroscience

Brain-Computer Interface

Graph theory

Public Speaking

Project Management and Leading

Pytorch

Numpy

Pandas

Neo4j

PROJECTS

* Smart Heart - Holter Monitor with real-time threat prediction using Jetson TX2 (12/2017 – Present)

* Denoising Gravitational Waves using Supervised and unsupervised learning (06/2017 – Present)

* Detection of Windmills from satellite Images using Deep Neural Networks (05/2017 – 07/2017)

* Image Segmentation on Spacenet dataset (10/2017 – 12/2017)

EDUCATION

B.E. Electrical and Engineering Engineering (Hons.)

BITS Pilani

08/2015 – Present

Goa

Courses (Relevant)

- Theoretical Neuroscience
- Probability and Statistics
- Multivariate Calculus
- Neural Networks
- Data Structures and Algorithms

- Computer Programming
- Linear Algebra
- Machine Learning
- Discrete Mathematics
- Digital Signal Processing



EDUCATION

Online Courses

Coursera/Udacity/Stanford

Courses

- Machine Learning (Coursera)
- Probability and Statistics (Stanford Lagunita)
- Deep Learning For NLP (Oxford - DeepMind)
- Applied Data Science with Python (Coursera)
- CS 231n - Convolutional Neural Networks for Visual Recognition (Stanford)
- Introduction to Parallel Programming with CUDA (Udacity)
- Reinforcement learning by David Silver (Deep Mind)