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 *Goa*

BITS Pilani

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 *Goa*

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

Electronics and HPC Co-ordinator
Sandbox Makerspace

02/2017 – Present *Goa*

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

Vice President
IEEE Student Branch

04/2017 – 04/2018 *Goa*

BITS Pilani

Research Intern
Indian Space Research Organization (ISRO)

05/2017 – 02/2017 *RRSC-W Jodhpur*

Lead the project for object detection in Satellite imagery

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 (Relevent)

- Theoretical Neuroscience
- Probablity and Statistics
- Multivariate Calculus
- Neural Networks
- Data Structures and Algorithms
- Computer Programming
- Linear Algebra
- Machine Learning
- Discrete Mathematics
- Digital Signal Proocessing

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)