Gaurav Gupta

(+91) 7860-931-204
gaurav.gupta.cse14@iitbhu.ac.in

ACADEMIC BACKGROUND

Indian Institute of Technology (BHU), Varanasi   July 14 - Current
B.Tech in Computer Science and Engineering (Current CPI: 9.34)

Semester	I	II	III	IV
SPI	9.75	8.77	9.66	9.25
CPI	9.34			

New Green Field Public School (CBSE board), Indore, India   2014
All India Senior School Certificate Examination (Percentage: 93.6%)

RESEARCH INTERESTS

Deep learning, Reinforcement learning, Computer vision

TECHNICAL SKILLS

Languages   Python, JavaScript, C, C++
Technologies   TensorFlow, Caffe, Keras

PROJECTS

Google Summer of Code (GSoC)   May 16 - Aug 16
Worked with CloudCV (Machine learning and perception lab, Virginia Tech) to develop an IDE
for building deep learning models. The IDE provides a very simple drag and drop interface to
create and configure DL model and support export / import of model configuration file for
Tensorflow, Caffe and Keras.

Grasping of moving objects with DeepRL   Dec 16 - Feb 17
Created a game environment implementing a 4 DOF robotic arm. Trained the agent using deep
reinforcement learning to capture moving objects. Used recurrent neural networks to capture
long term dependencies and human supervised training for faster convergence

Cognition of robot using Q-learning based SOM   Aug 16 - Dec 16
Created a robotic simulation for pick and place tasks. Control of the robot was done with
Q-learning and Planning and learning of experiences using SOM Model

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ACHIEVEMENTS

Winner of Microsoft Code.Fun.Do oncampus hackathon 2017
Microsoft Imagine Cup India national finalist 2016
Memento : AI assistant for human memory
SecureTM API (easy mobile no. verification of users through OTP)