Prince Patel

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer Vision, Deep Learning, Machine Learning

EDUCATION

Indraprastha Institute of Information Technology, Delhi
M.Tech., Computer Science and Engineering. CGPA: 8.13

National Institute of Technology, Raipur
B.Tech., Information Technology, 2014. CGPA: 8.72

Holy Cross School,Raipur, CBSE, May 2010 Marks: 84%

Mother Teresa Sr. Sec. School,Bhopal, CBSE, May 2008 Marks: 89%

TECHNICAL ELECTIVES

Probabilistic Graphical Models	Information Retrieval	Mobile Computing
Data Mining	Graduate Algorithms	Collaborative Filtering
Privacy and Security in OSM	Computer Vision	

WORK EXPERIENCE

Uncanny Vision, Bengaluru
Machine Learning Engineer *May,17 - Present*
Working on Computer Vision problems to solve multinational client problems using Deep Learning models. Testing and Evaluation of deep learning models using Caffe and Tensorflow for appropriate use case.

TEACHING EXPERIENCE

Teaching assistant in Information Retrieval.	Winter 2017
Teaching assistant in Advanced Programming.	Monsoon 2016
Teaching assistant in Data Structure and Algorithms.	Winter 2016
Teaching assistant in Digital Circuits.	Monsoon 2015

SKILLS

Programming Languages
Python(Proficient), C(Good), C++(Good), Java(Basic)
Tools and Technologies
Tensorflow, Caffe, Github, SciPy, NLTK, Django, MongoDB, LaTeX.

POSITIONS OF RESPONSIBILITY

Organizing Team, IIIT Delhi Research Showcase, 2016.
Executive member, Technical Committee (Web Team), Ahaana, NIT Raipur, 2013-2014.

PROJECTS

Submodular Function Minimization. Dec,16 - April,17
Advisor: Dr. Chetan Arora Scholarly Paper
Efficient algorithms for MRF-MAP problems.

Fined grained recognition of car models. Jan,17 - April,17
Advisor: Dr. Saket Anand Course Project
Project aimed at developing real-time mobile application of deep neural network to solve the fined grained recognition of car models.

Activity and action recognition in first-person-view videos. Jan,17 - April,17
Advisor: Dr. Chetan Arora Independent Project
Project aimed at identifying the sequences in first person view videos. The work consists of application of LSTM-CNN in videos.

Application of Sparse RBM in Collaborative Filtering. Aug,16 - Nov,16
Advisor: Dr. Angshul Majumdar Course Project
Project aimed at applying deep RBM network for collaborative filtering. En-corporation of item and user meta-data into deep network.

Road Quality and Blockage Prediction Service. Aug,16 - April,17
Advisor: Dr. Pushpendra Singh Course Project
Project aimed at creating an android application map service to show road blockage and quality information. Computer Vision and Deep Learning techniques are used to identify blockage and potholes in video frames captured from mobile camera.

Question Answering System. Jan,16 - April,16
Adviser: Dr. Sameep Mehta & Dr. Harshit Kumar Course Project
To build a search engine which can handle Question Answer queries of a user and produce results which are specific to him/her and also spanned across various domains of his/her interests and previous queries.

Object Oriented Programming Design. Jan,16 - April,16
Adviser: Manish Shritoriya,Visiting Faculty(IIT Kanpur) Course Project
To build a running simulation of Circuit Diagram given by the user.

Real Time Threat Analysis. Aug,16 - Nov,16
Adviser: Dr. Ponnurangam Kumaraguru Course Project
Developed a chrome plugin for Twitter. It analyzes user tweets in real time and generates a score to the user. It uses libraries of NLTK and text processing.

State Estimation using SLAM in Swarm Robotics. Aug,13 - April,14
Adviser: Prof. S.P. Sahu B.Tech. Thesis
Used SLAM and WiFi triangulation method for state estimation of swarm robots in unstructured environment to create maps efficiently and to do path planning.

PUBLICATIONS

Accepted
Collaborative Filtering with Label Consistent Restricted Boltzmann Machine
International Conference on Advances in Pattern Recognition (ICAPR 2017)

PROFESSIONAL DEVELOPMENT

Machine Learning Nanodegree Graduate
Certified by: Udacity LICENSE

Neural Networks and Deep Learning
Certified by: Coursera LICENSE

Improving Deep Neural Networks
Hyperparameter tuning, Regularization and Optimization
Certified by: Coursera LICENSE

Structuring Machine Learning Projects
Certified by: Coursera LICENSE

Deep Learning Blogs
https://medium.com/@pprocks

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