Prince Patel

CONTACT INFORMATION	A-308, Boys Hostel, IIIT Delhi	prince15046@iiitd.ac.in
	Govindpuri Metro, Okhla Phase III	princep.github.io
	New Delhi, 110020	Phone: +91-88263 89335

RESEARCH INTERESTS

Computer Vision, Deep Learning, Graphical Models

EDUCATION

Indraprastha Institute of Information Technology, Delhi
   M.Tech., Computer Science and Engineering, July 2015 - Present.   CGPA: 8.13
National Institute of Information 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	Deep Learning

WORK EXPERIENCE

Infosys
Systems Engineer   *June,14 - June,15*
   Worked as a Techno-Functional person in Oracle Revenue Management and Billing.

TEACHING EXPERIENCE

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
   Java, Python, C, C++.
Tools and Technologies
   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 Functions Minimization**	Dec,16 - Present

Submodular Functions Minimization   Dec,16 - Present
Advisor: Dr. Chetan Arora   Thesis
Efficient algorithms for MRF-MAP problems.

Fined grained recognition of car models.   Jan,17 - Present
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 - Present
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. 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 - Present
Advisor: Dr. Pushpendra Singh   Course Project
Project aimed at creating an android app 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.

REFERENCES

Dr. Chetan Arora
Assistant Professor, IIIT Delhi
Computer Vision
chetan@iiitd.ac.in,011-26907475

PUBLICATIONS

Under Review
Collaborative Filtering with Label Consistent Restricted Boltzmann Machine
International Joint Conference on Neural Networks (IJCNN 2017)