Shekhar **Leena**

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Interests and Skills

Areas- Machine Learning, Data Science, NLP, Computer Vision *Skills*

- Languages- Java, Python, Matlab, AngularJs
- APIs/Packages/Frameworks- Numpy, SciPy, MatConvNet, ElasticSearch, Lasagne(basic), Theano(basic), MVEL, OpenCV(basic), Cucumber(basic)

Projects

Atari Game Using Reinforcement Learning (CSE537 Artificial Intelligence) *Stony Brook University, NY, USA*

GRADUATE PROJECT *November 2016*
- To train a Neural Network Atari game agent with Policy gradients from raw pixels using OpenAI Gym and Tensor Flow.

Livability index of neighborhoods in Baltimore (CSE519 Data Science) *Stony Brook University, NY, USA*

GRADUATE PROJECT *October 2016*
- Calculate livability score of different areas and rank them accordingly using various available datasets.

Incorporating Handcrafted Features in Wide ResNets (CSE527 Computer Vision) *Stony Brook University, NY, USA*

GRADUATE PROJECT *October 2016*
- Modifying architecture of ResNets by adding descriptors like SIFT and HoG for image classification using Theano and Lasagne.

Sentiment Analysis Of Short Texts *BIT, Mesra, India*

UNDERGRADUATE PROJECT *April 2013*
- Worked on sentiment analysis of Twitter texts using Naive Bayes classification to assign positive or negative sentiments.

Ekman Circulation Around Sri Lanka *IISc, Bangalore, India*

SUMMER RESEARCH INTERNSHIP *May 2012*
- Implemented algorithm in Python and Ferret to study dynamics of coastal circulation and upwelling patterns around Sri Lanka using OSCAR data.

Experience

Goldman Sachs *Bangalore, India*

TECHNICAL ANALYST *May 2013 - May 2016*
- Worked in JAVA, JAVASCRIPT, HTML, REST, and AngularJS to create web applications.
- Involved in automating routine tasks to increase efficiency and decrease manual intervention.
- Worked on real time log analytics, a centralized log monitoring system developed using Apache Kafka, Apache Flume, Elasticsearch, Kibana, HDFS, and collectors.
- Worked on developing a work-flow framework using Camunda engine and Cucumber testing framework to automate business workflows, BPMNs.
- Developed a rule engine using JAVA and MVEL library.

CabAmigo *Bangalore, India*

TECHNICAL CO-HEAD *May 2014 - May 2016*
- Created a social platform to connect people going to same destinations to reduce congestion and promote carpooling.

DRISTI *Mesra, India*

CO-FOUNDER *February 2013 - Present*
- Founded a non profit organization to impart general awareness and technical skills to children and adults in villages in nearby villages.

Education

Stony Brook University *Stony Brook, USA*

M.S. IN COMPUTER SCIENCE *August 2016 - Present*
- CGPA- NA
- Artificial Intelligence, Data Science, Analysis of Algorithms, Computer Vision

Birla Institute of Technology *Mesra, India*

B.E. IN COMPUTER SCIENCE AND ENGINEERING *May 2009 - May 2013*
- CGPA- 7.8/10

Extracurricular Activity

Community Works *Bangalore, India*

VOLUNTEER *2015 - 2016*
- Selected for Jagriti Yatra, Social Entrepreneurship program, with scholarship out of 17500 applicants from 14 different countries.
- Participated in OXFAM, 100 kilometers walk within 48 hours, to raise funds for underprivileged people.