

Priyanka Bedarkar

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PROFESSIONAL EXPERIENCE

SDE at Audible, Inc., Newark, NJ

Jan'20 - Present

- Joined the Consumer Domain Team.

SDE Intern at Uber Technologies (Uber Maps Team), Palo Alto, CA

May'19 - Aug'19

- Designed and implemented an end-to-end system to extract features, train ML model, generate scores and trigger an alert in the system based on the prediction scores.
- Fully tested and onboarded the system into production and monitored the impact on business side.
- Technologies used - Spark, Hive, Java, SQL, Hadoop, Python.*

Software Engineer at Indus OS (Data Science Team), Mumbai, India

Jun'17 - Jul'18

- Managed and improved the data pipeline that transforms server logs to databases using AWS.
- Analyzed user behavior, established models for targeting users leading to increased user engagement.
- Technologies used - Amazon Web Services (S3, Redshift, Kinesis), Python, MongoDB.*

Intern at Indus OS, Mumbai, India

Jan'17 - Jun'17

- Created and deployed a web-application dashboard for OEMs to login and view their periodic reports.
- Technologies used - Python (Flask API), HTML, Javascript, Bootstrap, MongoDB, Redis Cache.*

Research Intern (Undergraduate Thesis)

Jun'16 - Dec'16

Advisor : Prof. R Venkatesh Babu, Indian Institute of Science (IISc), Bangalore, India

- Characterized image complexity and caption complexity in terms of scene elements, inter-element relations, trained Deep Learning model to establish a relationship between images and captions. *Framework - Keras.*

PROJECTS

Hand Gesture Recognition in Real-Time Video Sequence (Master's Project)

Jan'19 - Present

- Working with Prof. Minh Hoai Nguyen in the Computer Vision Lab.
- Employed Deep Learning model to capture temporal relations between video frames, to recognize hand gestures in an attempt to control smartTV. *Frameworks used - OpenCV, PyTorch.*

Deforestation Trends from 2012 to 2018 using satellite imagery

Mar'19 - May'19

- Used Spark (MapReduce) to efficiently read the high quality TIFF image data from HDFS.
- Applied K-Means over the extracted CNN features to locate regions with similar deforestation rates.

Fake News Detection ([Link](#))

Oct'18 - Dec'18

- Trained different LSTM, CNN, and hybrid models to predict whether the text news is fake or not fake using NLP.

Depth Estimation in Images ([Link](#))

Oct'18 - Dec'18

- Implemented "Depth Map Prediction from a Single Image using a Multi-Scale Deep Network" paper.
- Improved the performance by experimenting with heuristics like data augmentation and ResNet architecture.

Action Recognition in Videos ([Link](#))

Oct'18 - Nov'18

- Trained different CNN, LSTM and hybrid networks on VGG16 features extracted from UCF101 dataset for action recognition in videos. LSTM+CNN hybrid outperformed all the other architectures.

TECHNICAL SKILLS

Python, TensorFlow, Keras, PyTorch, OpenCV, Java, C, Spark, Hive, Hadoop, SQL, Matlab, AWS (S3, Redshift), MongoDB, Javascript.

EDUCATION

Stony Brook University, Stony Brook, NY

December 2019

Master of Science in Computer Science

GPA : 3.68/4.0

- Machine Learning, Natural Language Processing, Computer Vision, Algorithms, Operating Systems, Big Data Analytics.

Birla Institute of Technology & Science, Pilani - Goa Campus, India

May 2017

Bachelor of Engineering in Computer Science

GPA : 8.28/10.0

- Deep Learning, Artificial Intelligence, Data Mining, Information Retrieval

CERTIFICATIONS

- Deep Learning Specialization - 5 Courses by deeplearning.ai

[Coursera Certificate Link](#)