

Priyanka Bedarkar

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PROFESSIONAL EXPERIENCE

SDE at Audible, Inc. (an Amazon company), Newark, NJ

Jan'20 - Present

- Worked on a variety of micro-services within Audible that manage member benefits, including Audible's virtual currency.
- Implemented key components to set up infrastructure of a new microservice built in Native AWS.
- Redesigned and implemented an API within the web-service to get improved latency and performance.
- Implemented performance testing and warmup scripts for the new microservice to ensure scalability and resiliency of the application.
- *Technologies used - Java, Spring, EC2, NAWS, BONES, S3, Lambda, CDK deployment, CloudFormation, APIGateway, VPC, Docker.*

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 models, generate scores and trigger an alert in the system based on the prediction scores. Onboarded the system into production and monitored the impact on the business.
- *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.

TECHNICAL SKILLS

Python, TensorFlow, Keras, PyTorch, OpenCV, Java, C, Spark, Hive, Hadoop, SQL, Matlab, MongoDB, Javascript, Java, Spring, EC2, NAWS, BONES, S3, Lambda, CDK deployment, CloudFormation, APIGateway, VPC, Docker.

EDUCATION

Stony Brook University, Stony Brook, NY

December 2019

Master of Science in Computer Science

GPA : 3.72/4.0

- 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
- Developing on AWS by Amazon AWS training and certification

[Coursera Certificate Link](#)

[AWS Certificate Link](#)