Priyanka Bedarkar

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PROFESSIONAL EXPERIENCE

SDE 2 at Alexa, Pune, India   May'22 - Present
- Collaborated on a multi-team project to reduce latency for launching the SmartHome Dashboard on Alexa Multimodal devices.
- Designed and implemented a real-time system to proactively display add/update/delete actions for smart appliance information on the Echo Hub device, allowing customers to view changes instantly.
- Designed and implemented a mechanism to audit the accuracy of smart appliance states displayed on the Echo Hub device, ensuring customers see the correct status.

SDE at Audible, Inc. (an Amazon company), Newark, NJ   Jan'20 - May'22
- 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 resilience.
- *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
- Designed, implemented 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 - Dec'19
- Worked 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.*

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   Coursera Certificate Link
- Developing on AWS by Amazon AWS training and certification   AWS Certificate Link