

Deepti Kalasapura

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[Portfolio](#) • [GitHub](#) • [LinkedIn](#)

EXPERIENCE

Software Engineer

July 2019 - Present

Microsoft India (R&D) Pvt. Ltd. | Bangalore, KA

Currently working with the Azure Storage team on a product called Data Box Edge.

Software Engineer Intern

May 2018 - July 2018

Microsoft India (R&D) Pvt. Ltd. | Hyderabad, TS

Worked with the Universal Store Team. Designed and implemented a process to streamline the team's telemetry data.

Product Development Intern

May 2017 - August 2017

Adobe Systems Pvt. Ltd. | Bangalore, KA

Worked with the Lightroom Android Team.

EDUCATION

University Visvesvaraya College of Engineering | Bachelor of Engineering in Computer Science

June 2019

- Aggregate Percentage: 84.6%
- *General Secretary*, IEEE Computer Society - Responsible for overseeing and coordinating the society's activities, such as, setting questions for coding contests and organizing technical workshops.

SKILLS AND INTERESTS

C, C++, Python, Typescript | MySQL | Keras, TensorFlow | Flask | Deep Learning | Backend Development

Certification: Deep Learning Specialization, Coursera([deeplearning.ai](#)) | Git and GitHub, Udacity

PROJECTS

Network Intrusion Detection

December 2018 - May 2019

- Implemented models capable of detecting and classifying anomalous behavior in networks. Multiple architectures were explored and tuned for optimal results.
- A paper describing the sequence model approaches has been accepted at the Grace Hopper India Celebration '19.
- Technology Stack - Keras, TensorFlow, Python

Real-Time Anomaly Detection - *for video surveillance*

October 2018 - November 2018

- Designed and developed a system which is capable of detecting anomalies in real-time surveillance feeds.
- Used C3D for video feature extraction and multiple instance learning to train the model. Capable of processing multiple cameras feeds simultaneously.
- Technology Stack - Keras, Theano, Python, OpenCV

Image Captioning - *a deep learning approach*

August 2018 - September 2018

- Designed a model that extracts features from an input image and provides an appropriate caption describing the image contents. An end-to-end approach is used combining the domains of computer vision and NLP.
- Developed multiple CNN + RNN model architectures for comparative analysis.
- Technology Stack - Keras, TensorFlow, Python

Brush Feature Implementation - *for Lightroom Android*

June 2017 - August 2017

- Designed and developed a brush tool for Lightroom Android's selective adjustments feature set as a part of my internship at Adobe.
- Technology Stack - Java, JNI, C++, Image Core, Android Studio, XML