

# Arnav Arnav

[LinkedIn](#): seashiva94 ▪ [Github](#): seashiva94 ▪ email: [aarnav@iu.edu](mailto:aarnav@iu.edu) ▪ Phone: 812-955-9112

---

## EDUCATION

**Indiana University**, Bloomington, IN, US

*Master of Science in Data Science*

**August 2017 – May 2019**

CGPA 3.88/4

**Tezpur University**, Tezpur, Assam, India

*Bachelor of Technology in Computer Science and Engineering*

**August 2012 – July 2016**

CGPA 8.98/10

---

## TECHNICAL SKILLS

- **Languages:** Python, SQL, R, SAS, C++, Ruby
  - **Data Analysis:** Numpy, Scipy, Scikit-Learn, Pandas, Librosa, NLTK, Tensorflow, Keras, Dask, PySpark,
  - **Visualization:** Seaborn, Matplotlib, Altair-viz, Bokeh
  - **Web Technologies:** Ruby on Rails, Flask, Django, HTML, CSS, Javascript, Ember.js
  - **Other Technologies:** OpenCV, Amazon AWS, Swagger API, Docker, Travis-CI, Open Stack API, Kubernetes
  - **Operating systems:** Linux (Ubuntu, Mint, Fedora), Microsoft Windows
- 

## WORK EXPERIENCE

**Walt Disney World Co.**, Lake Buena Vista, FL

**August 2019 – Present**

*Decision Science Professional Intern*

- Explored and implemented various methods to dynamically adjust product level demand forecasts to match actual behavior based on new and observed data points in python and SAS.
- Improved 70% of Disney Cruise Line booking forecasts with a mean improvement of 35% in absolute error using post-processing steps.

**Indiana University**, Bloomington, IN

**August 2018 – May 2019**

*Associate Instructor, Advanced Data Science On Ramp Course*

- Evaluated student submissions in various modules that cover, Hadoop, Spark, Scala, and Deep learning.
- Created course content for Machine Learning with Spark module and updated content for other modules.

**Navyug Infosolutions**, Noida, Sector 63, India

**March 2017 – July 2017**

*Software Engineer Intern*

- Developed and deployed an internal project management web application using Ruby on Rails and Ember.js working in an agile environment.
  - Developed mobile version of the application for Android and iOS platforms using Apache Cordova.
- 

## PROJECTS

**Speaker Identification and Verification from Audio**, Indiana University

**August 2018 – December 2018**

- Trained a Siamese neural network based on VGGVox model on the VoxCeleb dataset using PyTorch on AWS and achieved 0.78 precision and 0.84 recall on the data.
- Developed a terminal application for speaker identification and verification. Link to code [here](#).

**Image Captioning using Deep Learning**, Indiana University

**April 2018**

- Learned about state of the art Image captioning models.
- Implemented an Encoder-Decoder based Deep Learning model derived from the show and tell approach that uses a CNN followed by an LSTM to learn mapping between images and captions in Keras.
- Evaluation of the performance based on BLEU score of the model for various CNN models: VGG16, VGG19 and ResNet50. Link to the code [here](#).

**Open Domain Information Extraction**, Indiana University

**July 2018 – December 2018**

- Extract object-predicate relationships from text using various NLP modules and store them in a graph database to enable semantic search.
- Linked Named Entities to various existing knowledge graphs (Dbpedia), and enriched the knowledge graph by adding information from various reliable sources such as Concept Net and MS Concept Graph.