

# ASHA GUTLAPALLI

[ashagutlapallio316@gmail.com](mailto:ashagutlapallio316@gmail.com) • +1 (678) 799-6581 • [Website](#) • [LinkedIn](#) • [GitHub](#) • [Kaggle](#)

## EDUCATION

---

### GEORGIA INSTITUTE OF TECHNOLOGY Master of Science in Analytics

Atlanta, Georgia  
Expected Dec 2022

- Track: Computational Data Analytics
- Coursework: Machine Learning, Deep Learning, Computer Vision, Analytics Modeling, Regression Analysis
- GPA: 3.75/4.0

### SRM INSTITUTE OF SCIENCE AND TECHNOLOGY Bachelor of Computer Science

Chennai, India  
Jun 2020

- Coursework: AI, Data Science and Big Data Analytics, Data Mining, NLP, Data Structures, Design and Analysis of Algorithms, DBMS, Cloud Computing
- Grade: 90%

## SKILLS

---

**Programming:** Python, R, SQL, C, C++, Java, HTML, CSS, Javascript

**Databases:** MySQL, MongoDB

**Frameworks:** TensorFlow, Keras, PyTorch, Scikit-learn, Django, Flask

**Data Visualization:** Tableau, Power BI

**Modeling Techniques:** Machine Learning, Deep Learning, Classification, Clustering, Regression Analysis, Time Series

## EXPERIENCE

---

### GEORGIA INSTITUTE OF TECHNOLOGY Graduate Teaching Assistant

Atlanta, United States  
Jan 2022 – Present

- TA for the course CS 3630: Intro to Perception and Robotics taught by Frank Dellaert and Seth Hutchinson.
- Developed python assignments, quizzes, and questionnaires with Frank Dellaert.
- Conducted office hours to assist 350+ students for 3 hours a week.

### NIMBLEBOX.AI

Chennai, India

*Fastest growing AI Startup in the Silicon Valley revolutionizing the way we work on AI projects.*

#### Machine Learning Engineer Intern

May 2021 – Aug 2021

- Developed AI solutions for Intel that speed up their internal business processes.
- Populated the platform's explore page with Computer Vision and Natural Language Processing projects with a focus on GANs and Transformers to attract and engage customers.

### INTROTUCE PRIVATE LIMITED

Tiruchirapalli, India

*World's first Experiential Entertainment Platform, developing state of the art technology in deep learning and edge computing to build Nex2me.*

#### Deep Learning Engineer Intern

Sep 2020 – Dec 2020

- Implemented Image Classification, Segmentation, Composition, and a variety of Computer Vision applications and optimization techniques for edge devices.
- Managed a team of annotators for image dataset (Big Data) preparation to facilitate a multi-purpose model.

### PERCEPTALYTICS TECHNOLOGIES PRIVATE LIMITED

Delhi, India

*An AI enterprise building tools and technologies for the tourism industry.*

#### AI Analyst Intern

Dec 2019 - Jan 2020

- Formulated Natural Language Processing strategies on web scraped data for chatbot workflows.
- Applied Text Mining and Sentiment Analysis to automate query processing, customer service, and support.

## **PROJECTS**

---

### **SEMANTIC SIMILARITY AND TOXICITY DETECTION IN QUORA QUESTIONS**

*Nov 2021*

- Designed a ML pipeline for toxicity detection followed by sentence similarity on text data.
- It flags offensive questions and informs the presence of similar questions asked by users on Quora.

### **STYLEGAN2-ART**

*Jun 2021*

- Curated an abstract image dataset to train a StyleGAN2-ADA model and generate original artwork.
- These generated images are synced with audio to create an audio-reactive music video.

### **NL-IMAGES**

*May 2021*

- Implemented CLIP, a Cross-Modal-Search model to predict the similarity between given images and text.
- It is capable of image-text, text-image, image-image, and text-text search.

### **IMAGE COMPOSITION GAN**

*Sept 2020*

- Developed a GAN model that harmonizes unnatural composite images by translating the domain of the foreground image to that of the background image.
- It changes properties in images like luminosity, color, and smoothness for consistent blending.

### **DRUG RECOMMENDATION SYSTEM USING BERT**

*Jun 2020*

- Built a drug recommendation system using BERT that suggests top-rated drugs to patients based on their conditions.
- Users can also read existing reviews and submit their feedbacks on drugs.

### **ASPECT BASED SENTIMENT ANALYSIS USING BI-GRU**

*Feb 2020*

- Developed a sequential Bi-GRU model on the SEMEVAL 2015 laptop dataset.
- It performs Aspect Based Sentiment Analysis on reviews where the model classifies the aspect category and polarity.

### **BANK CUSTOMER CHURN PREDICTOR**

*Oct 2019*

- Implemented a Deep Neural Network and trained it on the Kaggle Customer Churn dataset.
- It predicts which customers are most likely to churn at a bank.

## **CERTIFICATIONS**

---

- **Stanford University:** Machine Learning
- **DeepLearning.ai:** Neural Networks and Deep Learning • Convolutional Neural Networks • Sequence Models • Build Basic Generative Adversarial Networks (GANs) • AI for everyone • AI for Medical Diagnosis • Introduction to TensorFlow in Artificial Intelligence, Machine Learning, and Deep Learning • Convolution Neural Networks in TensorFlow • Natural Language Processing in TensorFlow.

## **ACTIVITIES**

---

- Kaggle Expert (2x)
- Guest speaker at “Pie & AI: Bangalore – EDA & Kaggle” organized by the DeepLearning.ai community.
- Presented a webinar on “How to get started with Data Science” at “Celebrating Women in Technology” organized by the IEEE SB JEC.
- Member of the Institute of Engineering and Technology (IET)

## **ACHIEVEMENTS**

---

- Awarded ‘Outstanding Performance’ for Technical Presentation at SRM IST.
- Conferred the title ‘Yoga Natchathra’ by the Youth India Yoga Federation.
- Secured 3<sup>rd</sup> place at the National Yoga Championship in India.
- Secured 1<sup>st</sup> place at the State Level Karate Championship in India.