

ASHA GUTLAPALLI

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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

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 3rd place at the National Yoga Championship in India.
- Secured 1st place at the State Level Karate Championship in India.