

AKSHAY AJAY SHENVI

+1 (682) 560-8825 | akshayshenvi@gmail.com

LinkedIn-<http://www.linkedin.com/in/akshay-shenvi> | GitHub- <https://github.com/AkshayShenvi>

Website/Portfolio-<https://akshayshenvi.github.io/personal-website/>

Education

The University of Texas At Arlington (GPA of 3.83)

Aug 2018 - May 2020

Master's in computer science: Majoring in Intelligent Systems & Databases

Coursework: Algorithms, Machine Learning, Neural networks, Cloud Computing, Data Mining, Software Testing

University of Mumbai (First Class)

Aug 2012 – June 2016

Bachelor's in computer engineering- Coursework: Artificial Intelligence, Microprocessors, Human Machine Interaction, Soft Computing, Machine Learning

Experience

1. Machine Learning Intern - Digital Reasoning

June 2020- Present

- Research and Development on end-to-end(E2E) multi-language text transcription model on Audio data using NLP and Machine Learning concepts.
- Scrapping, Cleaning and Preprocessing Audio data and building sequence-to-sequence model for multi-language text transcription system.

Tech Stack: PyTorch, Python, AWS, Audio Data , End-to-end(E2E), Sequence-to-Sequence, BiGRU, LSTM

2. Full Stack Web Developer - Navdurga Pediatric Dental Centre

Sept 2017 – Mar 2018

- Planned, Designed, Developed & Deployed a Dentist Appointment Scheduling and Billing System.
- Brought down average appointment scheduling, rescheduling & billing time by 40%.
- Reduced the average Patient waiting time by 50% an increased annual revenue by 10%.

Tech Stack: NodeJS, ExpressJS, ReactJS, JSON, REST APIs, MySQL, Google Cloud Platform

Projects

1. Chatbot using NLP:

Dec 2018- March 2019

- Designed, built, trained & tested a Luong Attention GRU model using *PyTorch*.
- Pre-Processed the data from Cornell movie database and trained it on a GRU model that uses *Attention* to focus on the current word.
- After training, the model uses *Greedy Search* to predict the next word in the output sentence.

2. Social Media Sentiment Analysis Using Hadoop:

Mar 2019- May 2019

- Designed & Built a system where live twitter feed can be segregated as positive, negative & neutral feed.
- Used *Apache Flume* for data ingestion & *Hive* as query interface to query out data from *HDFS*.

3. Realtime Text Transcription:

Sept 2019- Dec 2019

- Developed a Power Point tool by implementing an OCR with accuracy of 70% using VGG-19 Convolutional Neural Network (CNN) model.
- Segmented the Image for letters, trained and compared our model with Tesseract (Open Source OCR)

Technical Skills

- **Programming and Scripting Languages:** JavaScript (*expert*), Python (*expert*), Express.js (*proficient*), Node.js (*proficient*), React.js (*proficient*), Bootstrap (*proficient*), Java, C++, HTML, CSS, Restful API
- **Database:** SQL (*proficient*), MySQL (*proficient*), NoSQL-Mongo DB, Cassandra, JSON, XML
- **Cloud and Framework:** IBM Bluemix (*proficient*), Azure (*proficient*), AWS (*proficient*), Google Cloud Platform (*proficient*), Spark, Hadoop, TensorFlow, PyTorch, Scikit learn, Pandas, Numpy
- **Tools:** Git (*expert*), Visual Studio code (*expert*), Android Studio, Eclipse
- **Certifications:** Deep learning Specialization (Coursera), Complete Web Developer(Udemy), DNN in PyTorch(IBM)