# Veera Vignesh K

+91 8526 8026 27 | veeravignesh1@outlook.com | linkedin.com/in/veeravignesh1 | github.com/veeravignesh1

## SUMMARY

- Senior Data Scientist with over 7 years of extensive experience working in Speech Explainability, NLP and ML Domain.
- Involved in extensive research on the latest trends in speech/audio based technologies and converting them it into implementations to be integrated into internal assets.
- Worked on End-to-End Design,Develop and Deploy phase of multiple NLP , Speech engagements.
- **AWS Certified Developer Associate** with knowledge of AWS services and hands-on experience in deploying server-less applications at scale using Infrastructure as Code with tools like SAM, Cloudformation.

## EXPERIENCE

### Data Science Specialist
*Accenture*

Nov 2022 – Present
*Bangalore, IN*

- Developed a novel approach to extract demographic information from speech data and publishing at a conference.
- Involved in finetuning of pretrained Acoustic models like Wav2Vec, Wav2Vec2 to provide a classification and regression outputs as per the use-case
- Took ownership of the end-to-end product delivery including understanding business user problems, translating it into technical requirements, designing , implementation and scaling the application to meet the business needs.
- Guiding juniors through code review and feedback. Sharing latest trends and knowledge through internal sessions

### Data Science Senior Analyst
*Accenture*

Oct 2021 – Present
*Bangalore, IN*

- Developed a serverless application using AWS Lambda, API-Gateway and Elastic Container Registry (ECR) that allows users to add metadata to their existing speech audio data.
- Handled processing of speech data (over 40 GB) by building a data pipeline that helped in downstream
- Leveraged MLOps best practices and tools to version the model using MLFlow and data using DVC.
- Handled feature engineering, Model Development of speech based deep learning methods.

### Data Scientist
*Axis Bank*

Aug 2020 – Oct 2021
*Mumbai, IN*

- Question Answering system design and development using SOTA pre-trained models like BERT and its flavours
- Developed Chat Bot for branch banking employees that has a monthly user base of 15K
- Streamlined the monitoring of process of the entire Intelligent Automation team by creating Tableau dashboard which provides timely alert to the process monitoring team

### Data Analyst
*Asahi India Glass Ltd*

Jan. 2015 – May. 2019
*Chennai, IN*

- Have led a team of 15 Technicians to carry out Periodical Maintenance, Stock management and execution of day-to-day operation of a plant
- Applied statistical methods to analyze part failures and standardize replacement frequency
- Providing Department analytics on budget adherence and KPIs as Dashboard and presenting it to the top management

## EDUCATION

### Praxis Business School
*Post Graduate Program in Data Science - Top 1% - Director's Merit List*

Bangalore, IN
*Jul. 2019 – Apr 2020*

### Birla Institute of Technology and Science
*M.Tech in Design Engineering (WILP)*

Pilani, IN
*Oct. 2016 – Oct 2018*

### Sri Krishna College of Technology
*B.E in Mechanical Engineering - 1st Rank - Department Topper*

Coimbatore, IN
*Aug. 2011 – Aug 2015*

## Technical Skills

**Languages**: Python, R, SQL, Linux Shell Scripting, HTML/CSS
**ML Frameworks**: Scikit-Learn, Keras, Pytorch, Pytorch- Lightning, Tensorflow
**Libraries**: NumPy, Pandas, Spacy, Rasa, FastText, Hugging Face
**Web Frameworks**: Flask, FastAPI
**Developer Tools**: Git, CodeCommit, CodePipeline, Github, Docker, Tableau, Microsoft Excel, VS Code
**OS Familiarity**: Windows, Ubuntu, RHEL

## Certification

**AWS Certified Developer Associate**
**AWS Data Analytics Speciality - Ongoing**
**Tableau Certified Data Scientist - Tableau**
**Rasa Certified Chatbot Developer - Rasa**
**MongoDB SI Architect Certified**