

---

**JOB DESCRIPTION**

Position	Research Engineer, Voice / Speech
Department	Science and Research
Reporting To	Head, Science and Research
Subordinate(s)	--
Shift(s)	--

**DUTIES & RESPONSIBILITIES**

1. Implement and validate predictive speech models for technologies such as, automatic speech recognition, speaker recognition, text-to-speech etc.
2. Source for different types of speech datasets and create new ones as needed.
3. Incorporate a wide variety of statistical and machine learning techniques such as deep learning, classification and regression models etc.
4. Leverage cutting edge cloud platforms such as GCP to create automated training and testing pipelines

**ARCHETYPES OF THE SUCCESSFUL CANDIDATE**

1. Implement and validate predictive speech models for technologies such as, automatic speech recognition, speaker recognition, text-to-speech etc.
2. Two to five years experience in one or more of the following areas: speech processing, automatic speech recognition, speaker recognition, text-to-speech preferred.
3. Programming expertise including Shell, Perl, Python with the ability to use Linux command line tools.
4. Experience working with open source speech libraries, like Kaldi, Alize, DeepSpeech etc.
5. Experience with working on cloud computing platforms, such as, GCP, AWS etc.
6. A clear communicator with the ability to deliver timely.
7. Fresh graduates with relevant experience are welcome to apply.

**KEY REQUIREMENTS**

1. BS/MS in Computer Science, Signal Processing, Statistics, Mathematics, etc



2. Minimum 2 to 5 years experience in the areas of speech signal processing, speech processing, machine learning preferred
3. Strong grasp of speech processing and machine learning techniques

#### **TECHNICAL REQUIREMENTS**

1. Programming: Python, Shell, Perl
2. Libraries: Kaldi, librosa, pyannote, pytorch, tensorflow
3. End-to-end pipeline development and development in Kubeflow
4. Basic knowledge of software engineering (git, devops processes, etc.) and REST APIs would be preferred