INTERNSHIP DETAILS - JEEVA AI

Company Overview

We are a group of motivated individuals who are eager to change the current scenario of the healthcare industry. Even after a lot of advancement in the technology world, there is a significant gap in awareness and accessibility of healthcare. Our goal is to become a one stop solution for healthcare that is accessible anywhere around the world and we are committed to make that possible using the current advancements. Our current focus is on rising respiratory problems in the globe.

Job Description

Research Intern – Deep learning in Audio Signal Processing

We are seeking a motivated and detail-oriented Research Intern to join our team who can do the allocated task independently with minimal guidance for a 2-month paid internship. The intern will be responsible for reproducing the results of a research paper on cough detection and lung health assessment using our unique dataset that includes cough sounds, vowel O sounds, and breathing sounds.

Key Responsibilities

1. Familiarize yourself with the research paper on cough detection and lung health assessment.

2. Understand the methodology and techniques used in the paper for deep learning model development.

3. Work with our unique dataset containing cough sounds, vowel O sounds, and breathing sounds.

4. Reproduce the results of the research paper using our dataset and compare the performance metrics.

5. Fine-tune the deep learning models for optimal performance.

6. Document the process, findings, and any challenges faced during the reproduction of results.

7. Present the results and findings to the research team at the end of the internship.

Requirements

1. Strong understanding of machine learning, deep learning, data manipulation and signal processing concepts.

2. Proficiency in programming languages such as Python and experience with deep learning frameworks like TensorFlow or PyTorch.

3. Excellent analytical and problem-solving skills.

4. Ability to work independently and collaborate effectively in a team environment.

5. Prior experience with audio signal processing or healthcare applications is a plus.

Benefits

1. Hands-on experience in cutting-edge research in audio signal processing and healthcare technology.

2. Opportunity to work with a dynamic and innovative team of researchers, medical practitioners and engineers.

3. Paid internship with a stipend for the duration of 2 months.

4. Flexible working hours and remote work option.