

# **Thyroid Disease Classification Using ML**

## **Define Problem/ Problem Understanding**

### **Social or Business Impact**

Untreated/undetected thyroid disease is more dangerous at times it can lead to fatal of the person.

Thyroid diseases include begin functional, inflammatory, autoimmune and neoplastic diseases characterized by a wide range of physical and mental symptoms primarily, but not exclusively, related to the excess or to the deficiency of circulating thyroid hormones, indeed to the hyper.

The working status is a fundamental aspect in the life of thyroid patients that affects their quality of life [10,17]. A lower percentage of employed workers (35%) was reported by Fahrenfort et al. [19] among a population of 303 patients treated for hyperthyroidism in the period 1994–2000.

We can detect it at the earliest then people can get treatment and get cured.

The growing number of survivors of thyroid cancer raised increased attention towards the late effects of disease and treatment. A German study investigated the effects of hypothyroidism secondary to thyroid hormone withdrawal in 130 patients with DTC on work ability.

The risk of receiving disability pension was not affected by pre-existing comorbidity, supporting the role of hypothyroidism per se in causing disability pension.

Although preliminary, the described results stress the importance for clinicians to carefully assess the work function of their patients as part of their clinical management.

To understand which job task features may be more dangerous for such hyper-susceptible individuals, may support a tailored risk assessment process and suitable management strategies.

We can make this application public, offer services as a subscription based or can collaborate with healthcare centres or specialists.