



## **Internship 2022 Work-let**

---

Work-let Owner: Prajwal Patil

Intern ID: aye-aye-71

---

**Problem:** Horcrux – Being Immortal

**Description:** Lord Voldemort created 7 Horcruxes to make himself immortal. The premise is, if anything gets on to the internet, can it ever be completely deleted? Given a keyword to a search engine, can we identify its potential Horcruxes? Design a module!

**Key Performance Indicators:**

1. Design at least 5 methods of identifying horcruxes for a given keyword
2. Defines the scope of bounded rationality
3. The data set is at least 10MB size
4. The algorithm takes less than 5 seconds for the decision computation
5. The space complexity of the algorithm is less than 500MB

**Submission Deadline:** 14 August 2022

**Deliverables:** Code file (.py), report (.pdf) and readme (.txt).