Company Background:
AI Arrive is an artificial intelligence company with the vision to create AI products that accelerate research and enhance our understanding of human disease. AI Arrive partners with pharmaceutical clients to greatly accelerate R&D and drug development efforts by helping clients to make go/no-go decisions, prioritize drug targets, and uncover the mechanism of action (MoA) for drug targets. *AbstractAnalysis* is a natural language processing (NLP) based project to identify the core elements of an abstract such as the problem, the methods, the findings and the conclusion. Although millions of biomedical journal articles are published each year tools to analyze and interpret those articles are in a state of infancy. *AbstractAnalysis* can identify the core components and findings of a biomedical journal article.

Team Size: 4-5 Students

Location: Remote, client/team meetings will be held with Zoom.

Project Summary: AI Arrive would like to develop a beta *AbstractAnalysis* solution using biomedical journal articles. The end goal would be to provide a summary output that includes, problem, methods, findings, conclusion. The client will provide a set of biomedical journal articles. The first step would be to create a training dataset using extraction algorithms and journal articles that have labels. The next step would be to train an NLP classifier to predict which label a sentence in the abstract belongs to. The final step would be to return a label for each sentence in an abstract and store in graph database. All IP rights will be retained by AI Arrive.

Key Skills/Technologies: A background in developing ETL pipelines, NLP, machine learning, working with graph databases Neo4j would be beneficial for tackling this project. The team can seek guidance from the client.

Student Benefits:
- Freedom to develop a creative solution to the problem.
- Future paid internship opportunities
- Build leadership skills by seeing the project through to completion.
- Opportunity to work on a project that is high impact and can make a difference

Contact Information:

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