

**PolyU Technology and Consultancy Company Limited** (PTeC) is the wholly owned strategic professional service arm of The Hong Kong Polytechnic University (PolyU). We facilitate knowledge transfer of PolyU’s academic expertise to external organizations and the wider community through consultancy, contract research, professional development programmes and licensing of PolyU’s intellectual properties, to drive change and make a direct impact on society.

## **Post Specification**

### **Project / Research Assistant / Associate (Full-time/Part-time)**

Appointment period: six months initially

#### **Duties**

The appointee will assist the project leader from the Department of Computing, PolyU in the consultancy project “Data-driven Hospitalization Chance Prediction and USR Level Modeling”. He/she will be required to:

- a) study the requirement of doctor fee Usual, Customary and Reasonable (USR) level modelling;
- b) design, implement, train, and evaluate prediction model for hospitalization chance prediction and construct knowledge graph for USR level modeling;
- c) develop and deploy a web-based user interface to illustrate the trained model;
- d) prepare documents for the design, implementation, training, evaluation, and deployment;
- e) perform any other duties as assigned by the project leader or his delegates.

#### **Qualifications**

Applicants should:

- a) be familiar with background knowledge of computer science;
- b) be familiar with basic knowledge of data mining and machine learning;
- c) be familiar with programming languages such as Python;
- d) be familiar with basic data mining libs such as sklearn;
- e) be familiar with basic knowledge of natural language processing and graph mining;

#### **Remuneration**

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

## **Application**

Interested applicants are invited to send their covering letter and CV to [human.resources@polyu.edu.hk](mailto:human.resources@polyu.edu.hk) for review and consideration by the Project Leader. Recruitment will continue until the positions are filled. Details of PTeC's Personal Information Collection Statement for recruitment can be found [here](#).

3 June 2024