

Career Planning and Recommendation Engine

Jobtech is Singapore's leading Artificial Intelligence and Big Data Analytics start-up developing technologies and products to support people development and management, with their innovation partners.



“Partnering with AISG has opened up new opportunities for us to create novel methods to help talented students increase their placement potential and this wouldn't have been possible without the partnership.”

Ang Wee Tiong, Founder and CEO

BACKGROUND

- Many people in the job market today are turning to online portals to look for job postings
- Many portals do simple 1 to 1 skills match when recommending jobs to the job seekers
- These job engines are generally not able to provide personalised jobs options for a job seeker searching for suitable jobs on the platform

OUTCOMES



A free app on Google Play Store and iOS App Store (NUS career+) that uses this technology to facilitate career planning and job matching was developed and made available to all

40,000+ NUS students
and **300,000+** alumni

BUSINESS CHALLENGE

How can Jobtech offer recommendations with higher quality job matching as well as career planning

AI SOLUTION DEPLOYED

A machine learning system was built to recommend jobs to candidates based on their academic records and other individual factors:

- Models are trained on large set of academic and non-academic data, as well as job skill requirements
- The AI system is able to identify skills associated with jobs and also identify associations between courses and skills
- Algorithms parse a student's resume and module records to get a student's skills profile, taking into account their most important skills
- The algorithm then matches suitable job or internship opportunities to that skillset, and also highlights the other skills required to make the student more career ready