NCS-Based KAIST Job Description

Recruitment area	Research position	Classification system	Parent category	Sub-category	Sub sub-category	Sub sub-sub-category
			20. Information and Communication Technology	01. Information Technology	07. Artificial Intelligence	03. Artificial Intelligence Modeling

Mission	○ Korea Advanced Institute of Science and Technology (KAIST) Act - Educating outstanding talent proficient in theory and practice as required in the fields of science and technology for industrial development - Carrying out the nation's mid- and long-term R&D, and basic and applied research to foster national competitiveness in science and technology - Providing comprehensive support to research conducted by other research centers and industries

KAIST's major businesses	○ Education: Fostering creative talent, strengthening convergence education, nurturing global leaders in science and technology, strengthening human resource capacity ○ Research: Support for development of outstanding research projects, acquisition of specialized researchers, advancement of entrepreneurial culture, creation of high value-added intellectual property rights, promotion of technology transfer/commercialization, and development of large-scale, leading projects ○ Cooperation: Creating a working environment to be at par with global standards, and multifaceted cooperation for global leadership ○ Administration: Provision of administrative and technical service for international students/ faculty (Support for operation of a "Korean-English bilingual campus")

Growth engines	○ Vision: Global Value-Creative World-Leading University - Hub for Fostering Knowledge Creation and Global Convergence Talents - Center for the World-Leading New Knowledge and Technology) ○ Five innovation initiatives: Innovation in education, research, technology commercialization, globalization and future strategies ○ 3C Leadership: Change, Communication, Care

Duties and responsibilities	○ Develop and research efficient Offline RL algorithms ○ Develop efficient data sharing method in Mutli-task Offline RL setting

Job performance details	○ Offline RL tech trends survey, analysis, and comparison of technical characteristics ○ Identify problems/issues in Offline RL / Multi-task Offline RL and propose solution

Knowledge required	○ Machine learning / Deep learning/ Reinforcement learning in general ○ Background on Offline RL

Required skills	○ Implementation skill for Reinforcement learning using Deep learning framework such as TensorFlow and PyTorch ○ Ability to interpret modeling results and test results of learned models

Attitude while performing duties	○ Communication and a proactive attitude for collaboration ○ Aggressive attitude and willingness to take on challenges
Basic skills	○ Ability to present international conferences/journals research papers ○ Academic/technical discussion skills
Reference site	www.ncs.go.kr, www.kaist.ac.kr