

Research Fellow (Electrical Engineering/Information
System/Computer Science/Computer Engineering)
Nanyang Technological University

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Posted Feb. 17, 2025, set to expire Jun. 19, 2025

Job Title	Research Fellow (Electrical Engineering/Information System/Computer Science/Computer Engineering)
Department	College of Computing and Data Science (CCDS)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 17, 2025
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Faculty Associate Research Scientist/Associate
Academic Field(s)	Electrical and/or Electronics Computer Engineering Computer Science Engineering - Other
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Electrical-Engineering-Information-System-Computer-Science-Computer-Engineering-_R00019826

Apply By Email

Job Description

Young and research-intensive, Nanyang Technological University, Singapore (NTU Singapore) is ranked among the world's top universities. NTU's College of Computing and Data Science (CCDS) is a leading college that is known for its excellent curriculum, outstanding and impactful research, and world-renowned faculty. Today, we are ranked #2 for AI and Computer Science by US News Best

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Global Universities; and #8 for Data Science and AI by QS World University Ranking.

A hot bed of cutting-edge technology and groundbreaking research, the College aims to groom the next generation of leaders, thinkers, and innovators to thrive in the digital age. Located in the heart of Asia, NTU's College of Computing and Data Science is an 'exciting place to learn and grow'. We welcome you to join our community of faculty, students and alumni who are shaping the future of AI, Data Science and Computing.

Cloud Application and Platform Group is a cutting-edge research group from CCDS. It is a leading research group in the area of Cloud Media Computing, Content Delivery Networks, Data Center architecture, and Big Data analytics. We are seeking for 1 motivated Research Fellow in the topic of "Digital Twin for Advanced Battery Analytics". The candidate is expected to take the following responsibilities:

Key Responsibilities:

- Conduct research and development in AI and machine learning, focusing on advanced techniques such as physics-informed machine learning;
- Design, develop, and implement machine learning models using PyTorch or TensorFlow for battery related applications, such as SoH/RUL predictions;
- Supervise junior graduate students;
- Write technical reports, including papers, patents and technical disclosures;
- Work closely with team members/engineers and assist in developing new features;
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Ensure responsiveness of applications;

- Support expansion of research output through increased paper publication;
- Diagnose the issue and resolving it on demand.

Job Requirements:

- PhD Degree in Electrical Engineering, Information System, Computer Science, Computer Engineering or a related discipline;
- Industrial work experience in relevant areas highly preferred;
- Proven ability to translate theoretical insights into practical solutions;
- Proficiency in Python and relevant packages, like NumPy, Pandas, PyTorch or Tensorflow;
- Excellent verbal communication skills and good problem solving skills;
- Strong attention to detail.

We regret that only shortlisted candidates will be notified.

Contact Information

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Contact

Singapore