Ajay Kumar Thakur

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OBJECTIVE

Motivated PhD researcher in Artificial Intelligence dedicated to developing explainable and high-accuracy deep learning models for medical diagnostics. With peer-reviewed publications on lung cancer and kidney stone detection, I aim to contribute to cutting-edge healthcare innovation and interdisciplinary research teams.

PROFESSIONAL EXPERIENCE

September 2022 – December 2022

Kyungdong University – Thesis Based on Deep Learning, South Korea

- Developed a CNN-based deep learning model for early lung cancer detection using medical imaging.
- Improved diagnostic accuracy and provided a non-invasive alternative to traditional methods.
- Demonstrated the potential of AI-driven tools to support clinical decision-making in healthcare.

PUBLICATIONS/ PRESENTATION

Thakur, A. K., & Co-authors. (2023). *A deep neural network for detecting lung cancer from CT images.* In **Proceedings of the International Conference on Smart Computing and Cyber Security**.

Thakur,A., Thakur, A. K.,, & Co-authors. (2025). *A CNN-based model for detecting gallstones using ultrasound images.* In **Proceedings of the International Conference on Smart Computing and Cyber Security**.

LANGUAGES

- Korean
- Hindi
- Nepali
- English

EDUCATION

Kyungdong University
Bachelor in Computer Engineering
Completed in Aug 11, 2023
GPA: 3.6
Bongpo, Toseong-myeon, Goseong-gun, S. Korea, 24764

Kwangwoon University
Master's of Science
(Dept. of information system engineering Graduate school of smart convergence)
Completed in Aug 26, 2025
GPA: 4.0
Seoul, south Korea

Seoul Christian University
PHD in AI & Bigdata (currently running)
Seoul, south Korea

SKILLS

- Python
- Java
- AI Frameworks (TensorFlow)
- C++
- HTML