SEUNGEUN KANG

Undergraduate Student @ Kyonggi University

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EDUCATION

B.S in Kyonggi Univeristy   *Feb 2020 - Mar 2026*
Division of AI Computer Science and Engineering   **GPA: 4.38 / 4.5**
Thesis :   **(in major : 4.40 / 4.5)**

RESEARCH INTERESTS

My dream is to be **"a person who creates useful things for everyday life".**
I believe that **"Human Computer Interaction with LLMs & Mobile Computing"** is the closest
thing to this dream.
In detail, I really enjoy the process of *1) propose novel solutions, 2) implementing services, and 3)
organize and write paper about them* to solve real-world problems.

RESEARCH EXPERIENCES

ETRI Social Robotics Lab   *Jan 2025 - Feb 2025*
Research Intern, Electronics and Telecommunications Research Institute
- Currently working

LOTTE INNOVATE Tech AI. Team   *Jul 2024 - Aug 2024*
Research Intern, LOTTE
- Experience of working on **R&D project** about Text2Image Generative Model

K-Software Empowerment bootcamp   *Dec 2023 - Nov 2024*
Trainee, SW Specialized Talent Training Program
- Learning cloud(AWS, GCP), Socket programming, Basis of AI

Smart IoT Lab   *Jul 2023 - Dec 2024*
Undergraduate Researcher, Kyonggi University
- Experience working on variable projects , published several conference papers

PUBLICATIONS

International Conferences

1. **S Kang**, D Lee, S Han, S Lim, N kim*, **"Research on Building K-Contents Specialized Text2Image Pipeline"**, *The 27th International Conference on Advanced Communication Technology*, Feb. 2025, Oral

2. **S Kang**, K Jin, N kim*, **"Research on Memory-efficient Approach to Sleep Quality Estimation for Edge Devices"**, *The 15th International Conference on ICT Convergence*, Oct. 2024, Poster

3. **S Kang**, N Kim*, **"A Study on User Review text–Based Rating prediction system Using Large Language Model Finetuning"**, *19th Asia Pacific International Conference on Information Science and Technology*, Jun. 2024, Poster

Domestic Conferences

1. S Kang, E Park, G Park, J Park, K Park, Y Moon, N Kim* , **"BELIEVE : Vision-Based Edge Intelligence System for Safety Management on Industrial Environment"**, *Korean Institute of Information Technology Summer Conference*, May. 2024, Poster

2. S Kang , N Kim* , **"Using activation function and ko-BERT Research of Click-bait Detection"** , *Korean Society For Internet Information Spring Conference*, Apr. 2024, Poster

3. S Kang , N Kim* , **"Using Raspberry Pi and MNIST Dataset A study on handwriting images classification in an on-device environment"** , *Korean Society For Internet Information Spring Conference*, Apr. 2024, Poster

* Corresponding Author

PROJECTS & COMPETITIONS

SW Univ. 2024 Capstone Design and AI Hackerton *Competition*
Oct 2024 , Team Leader (git)
- Project in the SW Univ 2024 Hackerton(overnight on October 25th and 27th) , with 5 universities
- We purposed "DEEPTECTOR", AI-based Automatic Deepfake Image Detection System.
- Results 2nd Prize in 20 teams

K-Contents Specialized Text2Img Pipeline *Team Project*
Jul 2024 - Aug 2024 , AI Development Leader (git)
- Project in the LOTTE INNOVATE internship
- Building a pipeline to understand Korean, generate K-Contents Images well.
- Publication in ICACT 2025

Human Understanding AI Paper Challenge 2024 *Competition*
May 2024 - Jul 2024 , Team Leader (git)
- Competition at ETRI, Human Understanding AI Paper Challenge
- Building models to predict sleep quality with minimal data for IoT devices
- Publication in ICTC 2024, Results 15th of 40 teams

BELIEVE : Vision Based Edge Intelligence System for Safety Management *Team Project*
Mar 2024 - Jun 2024 , Team Leader (git)
- Capston Design project for junior
- Building Vison-based safety management system using OD model and edge intelligence technology
- Won the Capstone Design Award and Best Paper Award in KIIT

DACON Seoul Average Temperature Forecasting Competition *Competition*
Dec 2023 - Jan 2024 , Personal (git)
- Competition for temperature prediction using time series prediction models
- Results top 3%(19th of 624)

TEACHING EXPERIENCES

TA. National center of excellience in software, Kyonggi University *Sep 2024 - Dec 2024*
- Teaching Assistant experience at KGU, National center of excellience in software

Basic Tutoring : Stepping Stone Tutoring, Kyonggi University *Mar 2024 - Jun 2024*
- Student-to-student tutoring experience as tutor
- *Mentored Area : Java Programming, Data Structure*

SAP- Solve it together Mentoring, JAKorea & SAP   *Aug 2023 - Sep 2023*
- Mentoring experience for middle & high school students
- *Mentored Area : Micro:bit, Arduino*

2023 Gyonggichango Mentoring, JAKorea   *Jul 2023 - Aug 2023*
- Mentoring experience for middle & high school students
- *Mentored Area : Mobile Application Programming*

SKILLS

Programming Languages and Frameworks
- Python, Java, C, C++, C#, LaTeX
- Pytorch, Tensorflow, Scikit-learn, Unity, Flutter, FastAPI
- Linux, Docker

AWARDS & CERTIFICATIONS

Scholarships

- **Scholarship for Academic Excellence** *Kyonggi University, Mar 2025*

- **Scholarship for Academic Excellence** *Kyonggi University, Sep 2024*

- **Scholarship for Academic Excellence** *Kyonggi University, Mar 2024*

- **Scholarship for Academic Excellence** *Kyonggi University, Sep 2023*

- **Scholarship for Academic Excellence** *Kyonggi University, Sep 2020*

Awards

- **2nd Prize** in *SW univ, 2024 Capstone Design and AI Hackerton , Korean Assocation of Computer Education*, Oct 2024

- **Excellence Award** in *Basic Capstone Design Competition, Kyonggi University*, Jun 2024

- **Best Paper Award** in *Korean Institute of Information Technology Summer Conference*, May 2024

Certifications

- **Test Of Practical Competency in IT level 3 : 536** *(certified from IITP, May. 2024)*

- **Certified Software Test Specialist Foundation Level** *(certified from TTA, Mar 2023)*