

# Hyungjin Ahn

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🌐 Hyungjin Ahn

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## Experience

- 2024.05 – 2024.07 **Software Engineer Intern.** Episys Science @ United States of America (*Remote*)
  - Full-stack web application development
  - Gained proficiency in AWS infrastructure management using Terraform
  - Acquired full-stack engineering skills through hands-on projects
- 2022.12 – Current **Undergraduate NLP Researcher.** ISoft Lab @ Chungnam National University
  - Authored 3 papers about LLMs and Language Model Quantization
  - Conducted research on zero-shot/few-shot learning capabilities of LLMs
  - Investigated performance variations based on few-shot prompt distributions
  - Applied quantization techniques to Korean language models, exploring efficient ways to apply model compression
  - Currently researching peer review systems
- 2022.05 – Current **Freelance Mobile application developer.** 4th place @ Republic of Korea (*Remote*)
  - Full-stack mobile application development
  - Developed and maintained an app with 5,000+ active users over several years

## Research Publications

- 1 **H. Ahn**, T. Hwang, and S. Jung, “Compressing and analyzing korean bert models using bitnet architecture with weight copy,” in *Korea Computer Congress*, 2024.
- 2 T. Lee, G. Kim, **H. Ahn**, J. Jeong, M. Jeong, and J. Song, “Integrating ocr and llms for enhanced document digitization in erp systems,” in *International Conference on ICT Convergence*, 2024.
- 3 **H. Ahn**, T. Hwang, and S. Jung, “Performance analysis of few-shot example techniques utilizing similarity in classification problems based on large language models,” in *Korea Software Congress*, 2023, pp. 1785–1787.
- 4 **H. Ahn**, T. Hwang, and S. Jung, “Utilizing large language models for non-trained binary sentiment classification,” in *Annual Conference on Human and Language Technology*, 2023, pp. 66–71.

## Education


- 2019.03 – Current **Bachelor’s Degree. Computer Convergence, Chungnam National University**
  - GPA: 4.39/4.5 (major: 4.48/4.5) (July 2024)
  - **Ranked 1st** out of 131 students (as of the 2024 Fall semester)

## Skills

- English **TOEIC 875.** Attended 2-month 2024 International AI Startup Program in Irvine, CA. Completed short-term training in San Francisco, CA.
- NLP **Large Language Models. Prompt Engineering. Language Model Quantization.**
- RL and Robot **Gymnasium. Stable-baselines3. ROS2. PyBullet. Gazebo.**

## Skills (continued)




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Coding     Advanced coding skills acquired through hands-on professional experience, proficient in Python, Dart, Javascript/Typescript, C++,  $\LaTeX$ , and more.

## Miscellaneous Experience

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### Awards and Achievements

- 2024.07     **Chief of Naval Operations Award** in **TOPCIT** (Test of Practical Competency in IT)
  - A comprehensive evaluation of practical ICT skills and competencies
  - Awarded by IITP
- 2024.06     **Excellence Award**, Chungnam National University Project Fair
  - Topic: AI-based Binary Lifting (binary  $\rightarrow$  LLVM IR) for Static Program Analysis
- 2023 – 2024     **National Scholarship (Science and Engineering)**, Ministry of Science and ICT
  - Full scholarship

### Certifications and Exam scores

- 2024.06     **TOEIC: 875**
- 2024.05     **TOPCIT: 692 (level 4)**
- 2023.07     **SQLD (SQL Developer)**