Hyeon Gi **Lee**

KeyWord : Tabular Data Analysis, LLM, Knowledge Graph

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Education

Computer,AI Engineering *Busan, S.Korea*

Dong-A University (DAU) *2021. 03. - 2025. 11.*

- Received several academic scholarships for outstanding performance.

Skills

Programming Language **Python** Developed ai and data analysis scripts and web applications.
C/C++ Implemented high-performance algorithms. used Professional Training.

Skills **MongoDB** Handled large-scale NoSQL databases.
PyTorch/Tensorflow Developed machine/Deep learning models.
AWS EC2, S3, RDS, Lambda

Platforms **Git** Version control for collaborative projects.

Research Experience

DAU Data Science Labs – Undergraduate Research Intern *Busan, S.Korea*

Conducting and assisting research with Prof. Jungkyu Han and Prof. Sejin Chun *Nov 2025 - PRESENT*

- Collaborated with team members to design experiments and conduct data analysis.
- Conducting research on the development of Click-Through Rate (CTR) prediction models.

Professional Training

Fundamentals of Accelerated Computing with CUDA C/C++ *Busan, S.Korea*

CONTENTS *Mar. 2024 - Jul. 2024*

· Learned the fundamentals of accelerating applications using CUDA C/C++ through a structured curriculum.

AWS Cloud Computing and Architecture Training *Busan, S.Korea*

CONTENTS *Nov. 2025*

- Completed the curriculum for **AWS Cloud Practitioner** and **Solutions Architect – Associate**.
- Gained a comprehensive understanding of cloud virtualization and studied best practices for designing efficient, scalable AWS architectures in real-world scenarios.

Project Experience

Sumteuyeo - AI Travel Recommendation Chatbot DETAIL

DETAIL *Jul. 2025 - Mar. 2025*

- Engineered a hybrid recommendation system by combining FAISS for vector similarity search with rule-based filtering (location/category) to suggest ”hidden trendy” travel spots.
- Developed an advanced intent classification pipeline using Regex patterns and ML models to accurately identify user needs (e.g., food, tour, date spots) and handle complex context switching.
- Implemented a Reranking mechanism using Cross-Encoders to optimize recommendation accuracy based on user profile and query relevance.

Honors & Awards

Presentation

References

Prof. Jungkyu Han

Introduction

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence, Email: jkhan@dau.ac.kr

Prof. Sejin Chun

Introduction

- Professor at DAU, Dept. of Computer Science and Artificial Intelligence, Email: sjchun@dau.ac.kr