

# JeongMin Lim

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## EDUCATION

**Jeonbuk National University, Jeonju, Korea**

**Mar 2020 – Aug 2025**

*Bachelor of Arts in English Language and Literature*

*Bachelor of Science and Engineering in Computer Science and Engineering (Double Major)*

- SW Convergence J-Point Excellence Scholarship (Spring 2025): Awarded for sustained achievement in software-related projects and coursework.
- SW Convergence J-Point Top Excellence Scholarship (Fall 2024): Top-tier merit-based scholarship recognizing outstanding software engineering performance.

**Brunel University London, United Kingdom**

**Jan 2024 – Feb 2025**

*English Language Program (Short-Term Intensive), focused on academic writing and global communication.*

## AWARDS & HONORS

### [AI / Data Science Competitions]

- National Finalist & Awardee | FIN:NECT Challenge 2025 | Fintech Center Korea, KakaoBank **Aug 2025**
- 2<sup>nd</sup> Prize | Jeonbuk State Public Data Utilization Startup Competition 2025 | Jeonbuk State, Korea **Jul 2025**
- Finalist | LG Aimers 6<sup>th</sup> AI Hackathon | LG AI Research **Feb 2025**
- Woori Bank President's Award | 2nd Jeonbuk Youth Big Data Competition | Woori Bank, Korea **Dec 2024**
- 2<sup>nd</sup> Prize | Culture, Sports, and Tourism Data Utilization Competition | Korea Culture & Tourism Institute **Dec 2024**
- 1<sup>st</sup> Prize | 3rd Shinhan Big Data Hackathon - Banking Division | Shinhan Financial Group, Korea **Nov 2024**
- COSS Chairman's Award | CO – SHOW 2024 | Ministry of Education, NRF, COSS **Nov 2024**

### [Start-up / Innovation Awards]

- Excellence Award | 2<sup>nd</sup> Startup Idea Competition | JBNU Software University **Nov 2024**
- Encouragement Prize | 1<sup>st</sup> Honam SW Startup Idea Competition | ITTP, JBNU Software University **Sep 2024**
- Grand Prize | Convergence Idea Contest 2023 | JBNU Dept. of English Language and Literature **Dec 2023**

## PROJECTS

**ESG Credit Scoring Model for Small Business | National Finalist & Awardee – FIN:NECT Challenge** **Jun 2025 – Aug 2025**

- Developed a credit scoring model integrating behavioral ESG data for underserved micro-enterprises.
- Built ensemble models with SHAP-based explainability, demonstrating the role of alternative non-financial data in credit risk research.
- Selected as a national finalist and awardee for the FIN:NECT Challenge

**Bloom: AI-Based Financial Literacy Simulator | Root Impact AI Hackathon**

**Jan 2025 – Feb 2025**

- Designed a stock prediction model using XGBoost with real-time weather and harvest data.
- Simulated realistic price fluctuations with market volatility logic and currency rounding.
- Preprocessed financial and meteorological time-series data using Pandas and interpolation.

## AI Emotional Support Service for the Socially Vulnerable | Capstone Design Project

Sep 2024 – Dec 2024

- Built a mobile app offering personalized emotional support for aged-out foster youth.
- Fine-tuned KoBERT for multi-label emotion classification (fear, anger, joy, sadness).
- Generated diary summaries and empathetic feedback via KoBART and polyglot-ko.
- Implemented key features: diary input, emotion trend tracking, and peer/expert support.

## Green Consumption Savings Product | 1<sup>st</sup> Prize – 3<sup>rd</sup> Shinhan Financial Group Big Data Hackathon

Oct 2024 – Nov 2024

- Proposed a data-driven savings product encouraging sustainable consumption.
- Constructed a Green Consumption Index from financial, mobility, and digital metrics.
- Processed Shinhan Bank / Card data using min-max scaling and PCA.
- Won 1st Prize among 311 students from 40 universities in the Banking Division.

## TECHNICAL SKILLS

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- Programming Languages: Python, Java, JavaScript, C, Dart
- Machine Learning & Data Science: NumPy, Pandas, Scikit-learn, PyTorch, Seaborn
- Natural Language Processing: KoBERT, KoBART, Hugging Face Transformers
- Frameworks & Tools: Jupyter Notebook, Google Colab, Git, React, Flutter
- Certifications: DP-900 (Azure Data Fundamentals) – Microsoft (Jan 2025), ADsP (Advanced Data Analytics Semi-Professional) – Korea Data Agency (Nov 2024)

## EXPERIENCE

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### Modulabs – Remote (Seoul, Korea)

Jul 2025 - Present

*AI Research Trainee (Specialized in Natural Language Processing)*

- Applied Machine Learning and Deep Learning techniques to real-world datasets in NLP and Computer Vision
- Built and fine-tuned text classification and sentiment/emotion analysis models using PyTorch and Hugging Face Transformers
- Conducted experiments on CNNs and transfer learning for cross-domain Computer Vision tasks
- Performed data preprocessing and visualization (Python, Pandas, Matplotlib) to support model training and evaluation

### JBNU Cognitive Computing Lab (Jeonju, Korea)

Jul 2022 – Feb 2025

*Undergraduate Student Researcher*

- Engaged in NLP and deep learning seminars, critically reviewing state-of-the-art models (e.g., Transformer, BERT) to identify gaps in contextual representation research.
- Contributed to an industry-academic project on Neural Radiance Fields (NeRF) by implementing model components for 3D representation learning, providing baseline experiments for follow-up research.

## EXTRACURRICULAR ACTIVITIES

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|------------------------------------------------------------------------|---------------------|
| • JBIG (JBNU Big Data & AI Club)   Club Management Team                | Mar 2025 – Aug 2025 |
| • CPU (JBNU Computer Science & Programming Club)   Club Vice President | Mar 2024 – Dec 2024 |
| • LIKELION UNIV JBNU 11-12 <sup>th</sup>   University Representative   | Mar 2023 – Dec 2024 |
| • JBNU CSE AI Intensified Course (DL / CV / NLP)                       | Nov 2023 – Dec 2023 |

## RESEARCH INTERESET

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- Efficient multilingual representation learning for low-resource languages, including machine translation
- Lightweight pretraining and fine-tuning methods for large language models (LLMs)
- Enhancing reliability and factual consistency of dialogue systems for socially beneficial applications
- Advancing multimodal (vision-language) learning to bridge textual and visual understanding across diverse languages