SEONKYU KIM

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PROFILE

- MS Business Analytics and Information Management student seeking a Data Scientist position
- Two years of experience in business analytics, AI, and consulting projects in financial institutions
- Proficient in Python, AWS, Azure, SAS, SQL, and Tableau
- Certification: Microsoft Certified Azure Fundamentals, AWS Certified Cloud Practitioner

EDUCATION

Purdue University, Daniels School of Business   **West Lafayette, IN**
Master of Science in Business Analytics and Information Management   **August 2024**

- **Industrial Practicum**: *Enhancing Patient Privacy with Synthetic Data Generation*
  - Generated synthetic healthcare data with CTGAN, Gaussian Copula, and Copula GAN; added Laplace noise to balance data utility with patient privacy; and presented poster in INFORMS Analytics Conference.
- **Academic Projects**:
  - Created centralized database management system for eco-transportation company.
  - Identified reasons for property churn of Airbnb in Washington with Random Forest model.

Korea University, College of Political Science and Economics   **Seoul, Republic of Korea**
Bachelor of Economics & Bachelor of Financial Engineering   **August 2020**

PROFESSIONAL EXPERIENCE

Korean Federation of Community Credit Cooperatives   **Seoul, Republic of Korea**
Associate Consultant, MG Management Consulting Division   **December 2020 – January 2023**

- Evaluated financial institutions with five management indicators—capital adequacy, asset quality, earnings, liquidity, and sensitivity to market risk; and operated early warning system for fund surplus and loan receivable.
- Consulted over 20 community credit cooperatives and presented business analytics results, best practices for benchmarking, and solutions to clients.
- Engineered automation system for consulting division; reduced 50% time needed for preparing presentations.
- Selected as one of ten big data analytics experts in firm.

AIZEN Global   **Seoul, Republic of Korea**
Risk Forecasting Project Intern   **May 2020 – July 2020**

- Predicted in-hospital cardiac arrests using time-series biometric data with two other project interns.
- Designed four different AI models—Convolutional Neural Network (CNN), Long Short-term Memory (LSTM), Deep Neural Network (DNN), and Light Gradient Boosting Machine (LGBM)—and presented to client.
- Improved predictive accuracy by 20% compared to existing model—Deep learning-based Early Warning System—with LSTM (for 6-hour forecast) and LGBM (for 1-hour forecast).

Seoul National University, Artificial Intelligence Institute   **Seoul, Republic of Korea**
Funded Trainee, Big Data & Fintech Expert Training   **December 2019 – July 2020**

- Led team of five trainees on four projects and presented results to clients.
- Constructed machine learning models for stock price prediction with 9-year time series data, and housing price prediction with 80 feature data related to US housing.
- Engineered deep learning model for natural language translation (Portuguese to English).
- Designed algorithm trading model: backtesting and rebalancing ETF portfolio (based on NASDAQ-100 Index).

6th Search & Rescue Air Group, Special Air Force Rescue Team   **Republic of Korea**
Sergeant, Republic of Korea Air Force   **January 2015 – January 2017**

- Managed air traffic data and communicated with control tower as Air Traffic Control Specialist.

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

- Daniels School of Business Excellence in Business Insights Award ($500) winner in Data Visualization Competition (2024).
- National 13th, regional 5th place in Purdue Data 4 Good Competition (2023).
- Managed Special Air Force Rescue Team Veterans Futsal Club (2017 – 2023).
- Directed charity concert for war victims and coached dance groups for student activism (2013 – 2014).