Khongorzul Battumur

khongorzul.batt@gmail.com · github.com/bkhongorzul · bkhongorzul.github.io · Busan, South Korea

SUMMARY

Fourth-year AI student at Pusan National University, curious how far AI can stretch what we're able to build. I like taking what a model can do and turning it into something people actually use, building everything from the data pipeline to the screen.

EDUCATION

Pusan National University — B.S. Computer Science & Engineering, AI major *Mar 2023 – Feb 2027*

Korean Government Scholarship (GKS) · Capstone: Tradify, real-time AI stock trading system

EXPERIENCE

Full-stack Developer Intern · *Genie Edutech Co., Ltd.* *Jul 2026 – Aug 2026*

- Renewed the company's main homepage end to end, from UI/UX design to the frontend and backend.
- Designed and built a full-stack website for a new business line from scratch.

PROJECTS

Tradify — Real-Time AI Stock Trading System | *Graduation project* *2026*

- Built the full decision pipeline that turns live market data and news into trade orders, shown on a live dashboard.
- **AI prediction:** processed 5-minute OHLCV data and scored financial news with FinBERT, using exponential time decay ($w(t) = e^{-\lambda t}$) so older news fades.
- **Strategy engine:** checked cash and equity, applied per-stock target allocations and position limits, and published orders through RabbitMQ.
- **Dashboard:** responsive real-time web app with live cash, equity and P&L, sortable position tables and broker status (React, TypeScript, Tailwind, Vercel).

NextSpot — In-Car Parking Handover App | *Hyundai Motor Group In-Car App Contest* *Nov 2026*

- Proposed the idea: the car detects from its own sensors that it is about to leave and hands its spot, by voice, to a nearby car looking for one.
- Built the departure-detection state machine from door, seatbelt, parking-brake and gear signals (Pleos Vehicle SDK) and a Firestore backend whose transactions let only one car claim a spot.
- Hands-free flow with NaviHelper, TextToSpeech and SpeechToText SDKs. Kotlin, Jetpack Compose, Android Automotive.

ISIA — AI Idea Evaluation System | *Upstage PNU AI Agent Hackathon — Encouragement Award (4th)* *Nov 2025*

- Helps companies decide which ideas are worth pursuing: an idea submitted through a form is evaluated in parallel by three AI agents (technical, market, risk) and returned as one scored report.
- Proposed the idea and built the whole pipeline with Upstage Solar LLM and n8n.

BizVision — Business Location Intelligence Platform | *PNU Tech Week — 3rd Place* *Sep 2025*

- Rates how viable a business would be at a location using years of public commercial data; built the map, navigation and interactive React dashboard.

CryptoLens — Crypto Sentiment Analysis Tool | *Lead developer*

- Scores market mood across many news sources as bullish, bearish or split, and flags when mainstream media and retail investors disagree, in under 30 seconds.

SKILLS

Languages: Python, TypeScript, JavaScript, Java

Frontend: React, Next.js, Tailwind CSS, Figma · **Backend & infra:** Node.js, RabbitMQ, Firebase, Vercel

AI / ML: Hugging Face (FinBERT), Vertex AI, multi-agent LLMs (Upstage Solar, n8n)

Spoken: Mongolian (native), English (fluent), Korean (advanced)