qja1998

Full Stack & AI Developer

KR

Korean, English

BACKGROUND

ABOUT

Passionate software engineer specializing in web development, data science, and AI-driven applications. Contributor to multiple open-source projects and committed to building performant, maintainable, and user-centric software.

WORK EXPERIENCE

Full Stack Developer (Trainee), SSAFY (Samsung SW Academy For Youth)

Mar, 2023 - Feb, 2024   1 year

Completed intensive full-stack curriculum, built containerized services and algorithms projects in teams using Docker, Spring Boot, React, and AWS.

- Led Docker-based microservice deployment tests (SSAFY_project_docker_test)
- Studied and implemented classical algorithms and data structures (SSAFY_algorithm_study)

PROJECTS EXPERIENCE

Audio Emotional Music Generative Model, Personal

Jan, 2024 - Mar, 2024   2 months

Generative AI model to compose music based on emotional input.

- Designed end-to-end pipeline for training on emotional datasets
- Deployed interactive demo with Streamlit

CO_2 Emission Forecast & Management, Personal

Oct, 2023 - Dec, 2023   2 months

Web application forecasting CO_2 emissions for Korea's regions using time-series models.

- Built predictive models (ARIMA, LSTM) for CO_2 forecasting
- Integrated interactive dashboards with Streamlit

Style Transform with Streamlit, Personal

Aug, 2023 - Sep, 2023   1 month

Real-time style transfer web app allowing users to apply artistic filters to images.

- Implemented neural style transfer in PyTorch
- Created intuitive UI with Streamlit

MarTogether, Personal

May, 2023 - Jul, 2023   2 months

Social networking platform for maritime enthusiasts to share logs and photos.

- Developed RESTful API with Django REST Framework
- Deployed on AWS EC2 with CI/CD pipelines

NunuDream RAG (Retrieval-Augmented Generation), Personal

Feb, 2023 - Apr, 2023   2 months

Chatbot that provides dynamic knowledge answers using retrieval-augmented techniques.

- Integrated vector database for document retrieval
- Fine-tuned LLM prompts for accuracy

SKILLS

Programming Languages

`Python` `JavaScript` `Java`

Frameworks & Tools

`Django` `React` `Docker` `Streamlit`

Machine Learning & AI

`TensorFlow` `PyTorch` `scikit-learn` `LangChain`

Cloud & DevOps

`AWS` `CI/CD` `GitHub Actions`

EDUCATION

Computer Science & Machine Learning, Ongoing, Self-Directed & Online Courses

Jan, 2020 - Present

`Deep Learning Specialization` `Advanced Python Programming` `Data Structures & Algorithms`

INTERESTS

Open Source

Community Contribution Hackathons

AI Research

NLP Computer Vision