

# EMRE CAN YESILYURT

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## Personal Profile

Versatile Data Engineer experienced in developing and deploying data pipelines on cloud platforms. Specializes in leveraging Large Language Models to automate processes. Dedicated to community building and knowledge sharing, with a strong focus on growing alongside communities.

## Professional Experience

**Data Engineer, EETech** / July 2022 - Present / Boise, Idaho, United States (Remote)

- Developed **LLM based** product notification labeling system to inform clients about changed, discontinued, cross products with **fine tuned LLama3** model. Observed 35% more accuracy than manual labeling.
- Developed BigQuery **trend forecasting** pipeline with 97% accuracy using ARIMA\_PLUS model to select the optimal product from cross products and choose the best purchase dates.
- Conducted feature extraction on categorical data, enhancing **multivariate trend forecasting** accuracy.
- Created a **custom scoring algorithm** using statistical methods to identify the most predictable time series across billions of time series, to provide clients with the reliable trend forecasts and predictable products.
- Ensured **data quality assurance** using Python and BigQuery.
- Developed **python standardization tool** to standardize categorical features from offline data sources

**Data Science Intern, Data Glacier** / Feb 2022 - May 2022 / Prayagraj, Uttar Pradesh, India (Remote)

- Conducted open exploratory data analysis notebooks using advanced libraries such as SciPy, Statsmodels, TensorFlow, Keras, PyTorch, scikit-learn, XGBoost, Seaborn and Plotly. These notebooks were shared within communities and personal GitHub profiles for knowledge sharing.

## Volunteer Experience

**Python Mentor, Global AI Hub** / Jun 2022 - Aug 2022 / Istanbul, Turkey

- Collaborated with a team of mentors in a python bootcamp attended by over 1,500 participants.

**Core Member, Global AI Hub** / Mar 2022 - Present / Istanbul, Turkey

- Contributed to AI education initiatives and supported new members in their learning process.

**Technical Writer, Machine Learning Turkiye** / Apr 2020 - Present / Istanbul, Turkey

## Education

**Bachelor's Degree in Management Information Systems, Dokuz Eylul University** / 2018 - 2022

- Dissertation: Developed an interactive chatbot on GCP, currently in use at ybs.deu.edu.tr

## Skills

**Languages:** Python, C, C++

**Developer Tools:** Version Control (Git), Google Cloud Platform, BigQuery ML, Azure, AWS, Looker, Linux, Anaconda

**Data Science:** Large Language Models, Machine Learning, Neural Networks, Natural Language Processing, Data Modelling