

Link to doc: <https://goo.gl/qLiZLA>

AMOS SS08 Project cloud-native-llm

Instructions

The project report will be published on our blog. It should be short and sweet, focussed on what you achieved.

“I did not have time to write a short letter, so I wrote a long letter instead.” Attributed to Mark Twain

Being concise is hard work and takes time. Please write as professional a text as you can. Use formal language and correct grammar.

For illustrations please use a persona rather than “test X” or “testperson12”.


Prior examples (not necessarily following our instructions, sadly), can be found here:

<https://dirkriehle.com/2021/03/02/summary-of-the-winter-2020-21-amos-projects/>

<https://oss.cs.fau.de/2018/08/01/show-casing-the-2017-amos-project-simulating-a-cars-ecus-using-a-raspberry-pi-5/>

Template

Please use the following template for creating your project report.

Project name	Amos2024ss08-cloud-native-llm
Project mission	<ol style="list-style-type: none">1. Automated Dataset Preparation: Develop an automated system that prepares structured datasets from CNCF landscape documentation.2. LLM Fine-Tuning: Enhance a Large Language Model specifically tailored to the prepared dataset for precise and relevant responses.3. Open-Source Contribution: Release and open-source the fine-tuned model and dataset preparation tools to the community, fostering collaboration and innovation.
Industry partner	Kubermatic
Team logo	
Project summary	Implementation of a Large Language Model specialized in providing context-aware answers to questions related to Cloud Native technologies

Project illustration

Models5

Kubermatic/DeepCNCf2BAdapter

Updated about 23 hours ago · 30

Kubermatic/DeepCNCf7BAdapter

Updated 3 days ago

Kubermatic/DeepCNCf

Updated Jun 10 · 31

Kubermatic/DeepCNCf9BAdapter

Text Generation · Updated 1 day ago

Kubermatic/DeepCNCfQuantized

Text Generation · Updated Jun 10 · 82 · 1

Datasets5

Kubermatic/Benchmark-Questions

Viewer · Updated 15 days ago · 41

Kubermatic/stackoverflow_QAs

Viewer · Updated 15 days ago · 9.11k · 19

Kubermatic/cncf-raw-data-for-llm-training

Viewer · Updated 20 days ago · 40.7k · 14

Kubermatic/Merged_QAs

Viewer · Updated 15 days ago · 94.1k · 418

Kubermatic/cncf-question-and-answer-datas...

Viewer · Updated 20 days ago · 84.9k · 372

User

What is Prometheus?

Assistant (DeepCNCf_2b_716)

Prometheus is an open-source monitoring system that allows you to monitor your applications, servers, and infrastructure metrics. It collects data from various monitoring software and other sources and is available as a static file or a service.

Prometheus is split in two parts: Prometheus server: A scrape-based monitoring system that can be deployed as a static file or as a service. Prometheus metrics: An instrumentation layer that adds metrics to your applications, servers, and infrastructure.

How does Prometheus work? Prometheus data is scraped from various monitoring software and other sources at regular intervals. It collects data in an open standard format that is easy to process. The metrics are stored internally in Prometheus and are used to determine whether any problems have occurred.

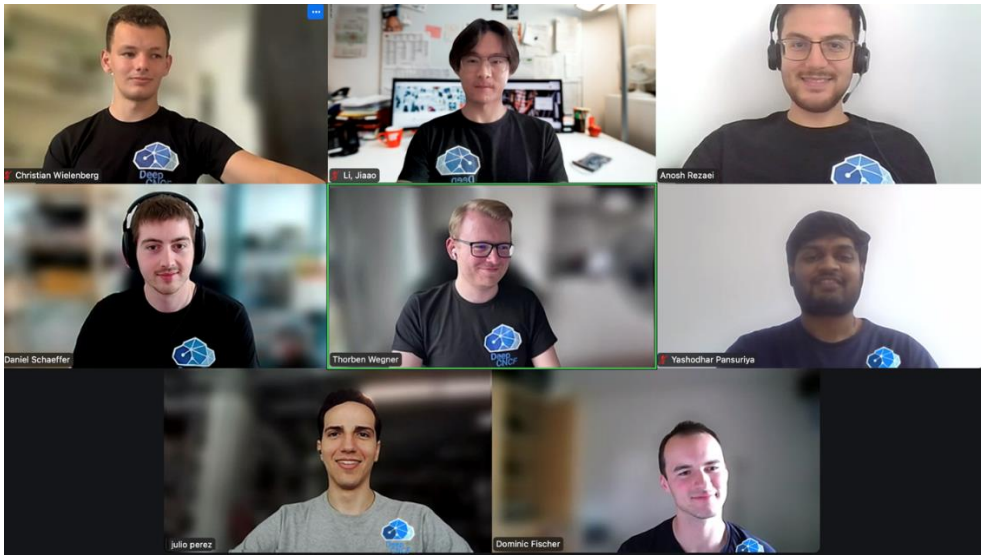
What are the limitations of Prometheus? Prometheus is a tool for monitoring systems, not for analyzing data. For example, it can be used to track the number of web requests received by an application, but it cannot tell you what type of web requests are being received. Prometheus is a tool for collecting data, not for analyzing it. For example, it can be used to collect information about the number of web requests received by an application, but it cannot tell you what the values of that metric are.

What are the benefits of using Prometheus? Prometheus is a powerful and versatile monitoring tool that can be used to monitor your applications, servers, and infrastructure. It is available as an open-source tool and has a large and active community.

What are the drawbacks of using Prometheus? Prometheus is not a tool for analyzing data. It is a tool for collecting data. Also, a single Prometheus installation can only collect data from a single source of data. If you need to collect data from multiple sources, you will need to install multiple Prometheus instances.

Send a message...

Team photo



Project repository

<https://github.com/amosproj/amos2024ss08-cloud-native-llm.git>
<https://huggingface.co/Kubermatic>