

Algoritmi AI SafeSpace [Open TechLab]

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About Algoritmi

- Algoritmi is UiT based student club for programming.
- We meet every **Thursday** in room **E1600** at **5pm**.
- Algoritmi is a part of Narvik Student Society.

E-mail: algoritmi@samfunnet.no

Facebook: facebook.com/AlgoritmiNarvik

Discord: discord.gg/Q9etjvZ59f

LinkedIn: linkedin.com/company/AlgoritmiNarvik

Organisation number: [Brønnøysundregistrene](#)



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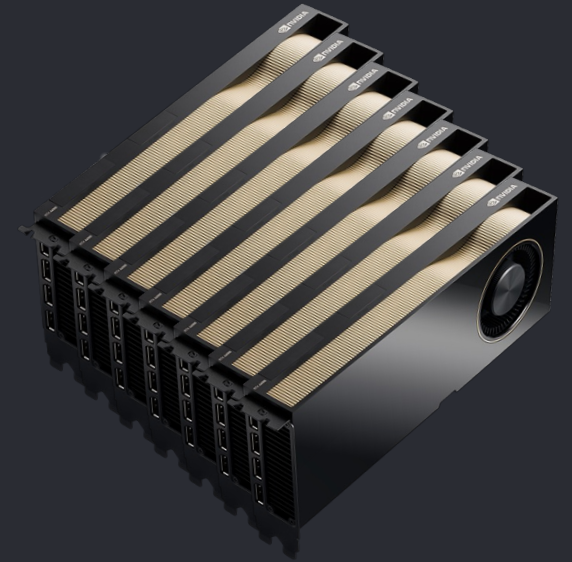
Algoritmi AI SafeSpace [Open TechLab]

Goal: Playlab for AI exploration

Target audience: Students and AI enthusiasts in Narvik

Long-term vision:

- Build a community of AI enthusiasts
- Gather enthusiasts and participate in hackathons with them in the future
- Contributing to the field of AI and open source



Algoritmi AI SafeSpace: Vision

Open TechLab
(Sandbox/Playlab)

^

| 2024

Exploration &
Innovation

=>

Community
of Enthusiasts

^

| 2024 - ...

Algoritmi growth &
Learning, forming a team

=>

AI Cluster &
Business platform

^

| 2026 - ...

Entrepreneurship, MSc/BSc thesis
+ Sykepleie, Økonomi, etc.



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Algoritmi AI SafeSpace [Open TechLab]

Enabling innovation with Algoritmi AI SafeSpace:

- Marrying AI Theory and practice
- Hands-on learning for Advanced AI Applications
- From classroom to real-world impact
- Fostering a Playground for AI innovation
- Infrastructure for Tomorrow's AI Talent



Estimated costs for a machine

Examples of hardware components for building a scalable PC, suitable for server-like tasks, running and fine-tuning LLMs

Component	Specification	Description extra	Estimated cost (NOK)
GPUs	GeForce RTX 4090	4 x Nvidia RTX 4090	103500
Motherboard	High-end with 4x PCIe slots	Gigabyte B650 EAGLE AX	3162,5
CPU	Compatible high-end processor	AMD Ryzen Threadripper 7950X	8050
RAM	64 GB DDR5	Corsair Dominator Platinum 4 x 16GB DDR4 3200	6900
Power Supply	2600W or higher		5000
Cooling System	High-performance coolers	Corsair iCUE H150i Elite Capellix Liquid CPU Cooler	2300
Case	4U or 5U Server chassis		4600
Storage	2 TB NVMe SSD	Samsung 980 PRO SSD 2TB PCIe NVMe Gen4	4600
Operating System	Linux-based	Ubuntu Server (Free Open Source)	0
Networking	10Gbps Network Interface Card		0
Other (Cables, Mounts)	Various PSU Cables and Mounts	Various	1150
Total			139 262,5

(would be great to have several)



Algoritmi AI SafeSpace: Future

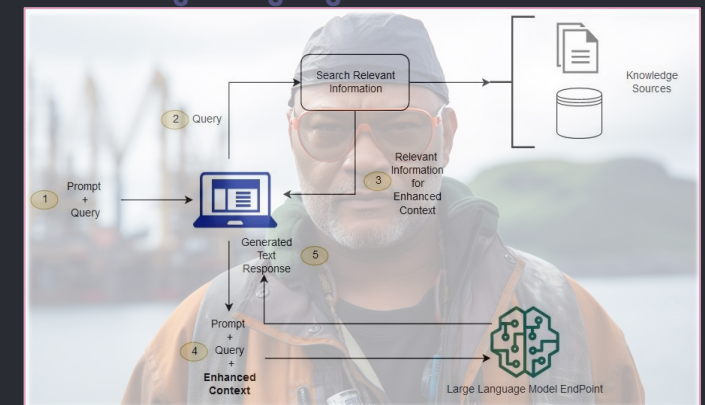
Space for Business

- Community access: student access
- Branding: visibility among students and academics
- R&D: collaboration on research and development projects
- Talents: skilled graduates familiar with the latest AI technologies
- Intelligent systems: local AI assistants

Computer Vision use case



Large language model use case



Thank you!

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Additional slides

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