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## Aurimas Griciūnas' Post

**Aurimas Griciūnas**Follow me to learn about Data Engineering and ML Systems | Author of SwirlAI Newsletter | Public Speaker  
3d · Edited

Just built the **SwirlAI Table of Contents**.

I have now written and sent out almost 40 SwirlAI Newsletter episodes touching different topics around end-to-end Data Systems (Data Engineering, MLOps, Machine Learning, Infrastructure, Building Scalable Data Organisations and more).

The value of most of the content in this Newsletter is meant to be timeless - the content can be read long after the episodes are released. However, until now it was complicated to find topics of interest as they are scattered throughout newsletter issues with no clear ordering or grouping. Hence, I built a Table of Contents that I will be updating and curating.

The amount of content that really surprised me. There are more than 90 topics covered that are supplemented by an infographic drawn in my style!

### **Premium Subscription Tier.**

Together with the TOC I am announcing a Premium Subscription Tier for SwirlAI Newsletter. It will include 6 (and sometimes more) Newsletter episodes per month and full access to the content archive. Non-premium readers will receive 1-2 monthly Newsletter episodes.

With time I will be introducing new bonus perks for Paid Subscribers - Private Community, Participation in decision on what I write about, AMA sessions, end-to-end hands on tutorials and projects etc.

Check out the Table of Contents here: <https://lnkd.in/epBk2Cwh>

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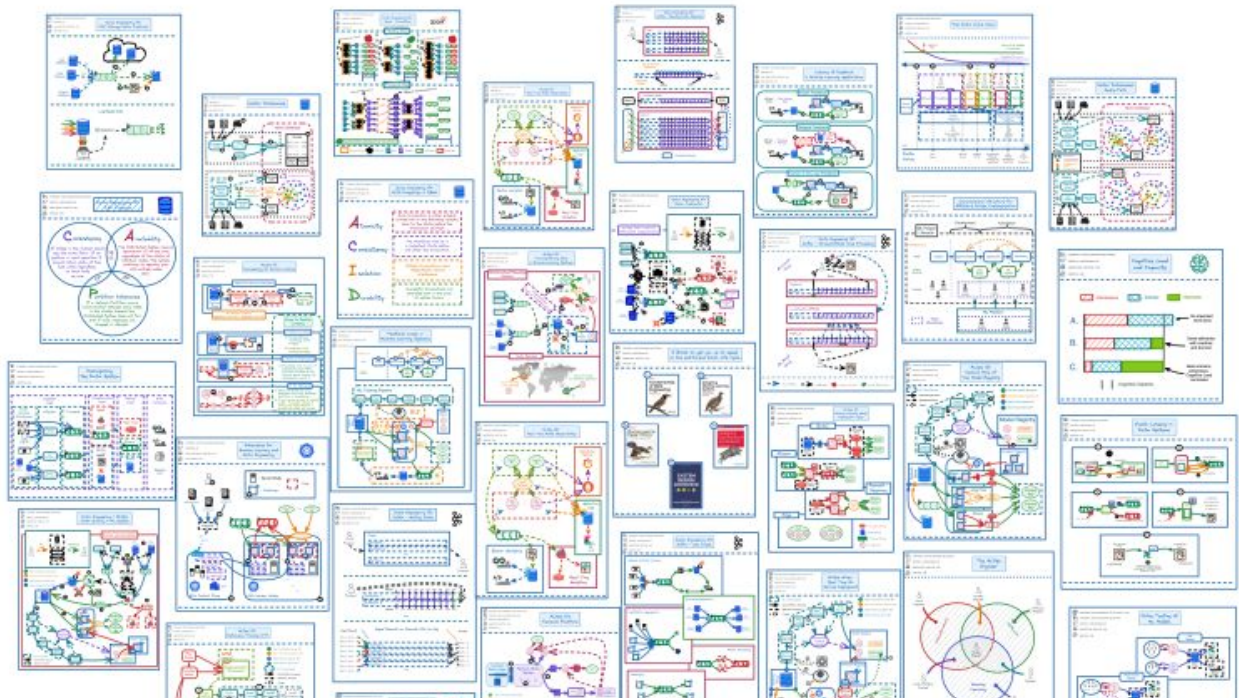
Follow me to upskill in [#MLOps](#), [#MachineLearning](#), [#DataEngineering](#), [#DataScience](#) and overall [#Data](#) space.

**Don't forget to like 👍, share and comment!**

Join a growing community of Data Professionals by subscribing to my **Newsletter**.



www.swirlai.com



122 · 16 Comments

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**Gevik Nalbandian**

3d ⋮

Vice President of Software Engineering

You're a machine or are you AI? It's amazing nonetheless. Awesome work.

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**Paolo Perrone**

3d ⋮

I teach data people how to become 6-figure solopreneurs

Great, great stuff [Aurimas](#)!

This is a major milestone in your mission to spread knowledge about end-to-end Data systems. Your newsletter is so epic, it's practically a master's degree in the making 🎓

Like · Reply | 3 Reactions

**Paul Iusztin**

3d ⋮

 Senior Machine Learning Engineer • MLOps • Contractor ~ Helping startups engineer production-ready ... great news, [Aurimas Griciūnas](#) 🎉 your newsletter is a must for any Data/ML engineer.

Will you still post daily on LinkedIn?

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**Ahmad Islam**

3d ⋮

Building Intelligent Products that runs on Google Cloud Platform || Hire me for your Fully Remot...

Amazing and excellent work [Aurimas Griciūnas](#) . 🤔

Your newsletters are making valuable addition in the data driven solutions. Just awesome 🙌

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**Kamesvarar S**

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Global Automotive Project Manager || National Award-Winning Projects || Business Excellence through ML ...

Inspiring Content !!!!!

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**Masood Moosavian**

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Full Stack Software Engineer at Central Bank of Iran| .NET Developer | C# | MS SQL Server| .NET Core | Angular

Great idea. Thanks

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**T. Scott Clendaniel**

2d ⋮

Chief AI Learning Officer/ Top Voice in Data Science

Congratulations 🍷 🙌 🥳 🎉 🍷 on your success with the SwirlAI newsletter, [Aurimas Griciūnas](#)!!!



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**Digvijay Singh**

3d ⋮

🔥 Expert Data Scientist and Corporate Trainer with over a decade of experience driving business success thr...

It's a fantastic resource for readers to easily navigate and find relevant information. Together, let's thrive and build a thriving community of data enthusiasts. #SwirlAISupporter

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## Others also viewed



**Dr Hari Bhaskar**

A passionate AI enthusiast & researcher working on user trust in Google maps. Want to talk AI, just give a bu...  
1w

As a AI/ML researcher and enthusiast, I always wanted to contribute to research & thought leadership in this space to the community in form of patents, publications & sharing my thoughts in conferences/panel discussions. In the last 12+ months, 8 ideas in ML platform area published as patents which are open for access. While the grant might take few years, the first step is make it to the publication from US PTO. The list of patents published with a brief synopsis (link below if one wants to read further)

1. Cloud Based Machine Learning Notebook Feature Engineering Command Recommender

"Recommending next set of feature engineering commands based on the data, context, actions by the user inside the notebook based on historical usage"

2. Secure on-premises to cloud connector framework

"Share datasets securely in a federated learning setup with cloud & on-premise execution environment with commands obfuscated inside the notebook"

3. Techniques for trained model bias assessment

"Validate the models that are uploaded into the cloud for bias with a test suite service that can govern the model repository"

4. Techniques for model artifact validation

"Helps to improve productivity & saves time in validating models pre-requisites on model deployment on cloud"

5. Device emulation in notebook sessions

"Seamlessly integrate emulator inside the notebook for validating on device model execution such as Android, iOS devices"

6. Techniques for schema drift detection

"Using data catalog integration, measure drifts & track the model performance through an early warning system"

7. Data catalog system for synthetic datasets

"Manage synthetic datasets seamlessly on cloud with data catalog and lineage tracking"

8. Model mining and recommendation engine with simulation interfaces

"Mine models from the model store based on the use cases and perform simulations to pick the best suited model for the use case"

Thanks to the co-authors Viral, JR, Harsh, Bryan, Shahid, Arpit & Oracle IP team for the great journey. Great to see them in publication stage.

<https://lnkd.in/gpwQXFbr>

**Google Patents**

[patents.google.com](https://patents.google.com)



102 · 5 Comments



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To view or add a comment, [sign in](#)**Puspanjali Sarma** Data and AI Leader | Principal Architect | AI Product Management | Generative AI | NLP | Machine Learning | ...  
6d · Edited

In 2022, both [#artificialintelligence](#) believers and sceptics were exposed to the delights of machine learning. On the surface, having a dedicated tool that performs complex tasks - whether it's writing a thesis on the dangers of late-stage capitalism or curating evocative images of how cities might look in the aftermath of unrestrained climate change - AI delivered on various fronts that the general public can understand.

This has led to [#artificialintelligence](#) becoming mainstream with wider adoption in various industries. This is expected to bring about significant changes in the way we work such as:

- ◆ **Hyperautomation Automation:** AI technologies, such as [#machinelearning](#) and [#rpa](#), can automate repetitive and mundane tasks. This frees up human workers to focus on more complex and creative activities, leading to increased [#productivity](#) and [#efficiency](#).
- ◆ **Personalization:** AI-powered algorithms can analyze customer data and behavior to provide personalized [#recommendations](#) and experiences. This level of customization can enhance customer satisfaction and drive business growth.
- ◆ **New job roles and skills:** While AI may automate some tasks, it also creates new job opportunities. AI specialists, data scientists, and machine learning engineers are in high demand. With [OpenAI's](#) ChatGPT release, high paying new jobs like [#promptengineering](#) and NLP Task experts are opened up in the market. Additionally, there will be a growing need for individuals with skills in collaboration with AI systems and understanding the [#ethical](#) implications of AI.
- ◆ **Workplace optimization:** AI can optimize various aspects of the workplace, including [#resourceallocation](#), [#workflowmanagement](#), and [#scheduling](#). Intelligent systems can analyze patterns and [#data](#) to streamline processes, reduce costs, and improve overall operations.
- ◆ **Enhanced customer service:** AI-powered [#chatbots](#) and [#virtualassistants](#) can provide instant support and personalized assistance to customers, improving the overall customer service experience.
- ◆ **Increased safety:** AI can be utilized in hazardous environments to perform tasks that are dangerous for humans using [#robots](#) and [#drones](#) which will be equipped with AI can be used for inspections, disaster response, and other high-risk activities.
- ◆ **Augmented creativity:** AI can assist and augment human creativity by generating ideas, suggesting improvements, and aiding in the creative process. This collaboration between humans and AI can lead to innovative solutions and artistic expressions.

It's important to note that while AI brings numerous benefits, it also raises concerns about job displacement, ethical considerations, and data privacy. Ensuring responsible and inclusive deployment of AI will be crucial to maximizing positive impacts while minimizing potential risks.

[#TechWrapIndia](#) [#Techandinnovation](#)

153 · 24 Comments





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To view or add a comment, [sign in](#)**Rohit Chopra**

Python | SQL | Power BI

5d · Edited



### Why Discipline is Important for You in This World of AI

In this fast-paced world of AI, discipline holds a key role in shaping our success. It may sound boring, but discipline helps us stay focused and productive amidst all the AI-driven distractions. It enables us to adapt to the constant changes in technology, learning new skills and staying up-to-date.

Recently The Russian president warned that artificial intelligence offers 'colossal opportunities' as well as dangers,. Its not AI who rule the world but the nation that leads in AI 'will be the ruler of the world'.

With discipline, we can make the most of AI's potential, utilizing it for problem-solving and innovation. It ensures we make ethical choices and uphold integrity in the face of AI's ethical challenges. So, let's discipline as our guiding force, unlocking our true potential in this world of AI.

Have a disciplined and productive week ahead.

Follow for more [Rohit Chopra](#)

[#data](#) [#dataanalytics](#) [#ai](#) [#motivation](#) [#inspiration](#)

Why-Discipline-is-Important-for-You-in-This-World-of-AI • 5 pages



## Why Discipline is Important for You in This World of AI

In this rapidly changing world of AI, cultivating discipline is essential. Here's why.



87 · 30 Comments



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**Kevin Petrie**

Vice President of Research at Eckerson Group

1w · Edited



Get ready for a boom in "small language models." This new approach to generative AI will help data teams and other professionals boost productivity while controlling risk.

Vendors such as [Informatica](#), [illumex](#), and [TimeXtender](#) are using generative AI to help data teams discover, validate, ingest, transform, and deliver data to the business.

Vendor approaches vary. But a lot of this innovation centers on what [Eckerson Group](#) calls the small language model (SLM). So what is an SLM?

Let's start by defining the "large language model" (LLM), a term that quickens the pulse of techies everywhere. An LLM is a type of neural network that learns, summarizes, and generates content.

Once trained, the LLM produces textual answers to natural language prompts, often returning sentences and paragraphs faster than humans speak. This technology can describe datasets, recommend pipeline patterns, and generally guide users through the steps of preparing data for analytics.

The problem is that, on its own, an LLM such as [OpenAI's](#) ChatGPT or [Google's](#) Bard can hallucinate and give you bad advice. Data engineers must inspect and fact-check everything it produces.

A small language model (SLM) seeks to reduce this problem. It uses the same techniques as an LLM, but applies them to a specific domain. It might use pre-trained LLM logic to start—either from a vendor or open source community—then customize that logic further.

By getting very domain specific, often focusing on enterprises' own data, SLMs offer better governance and therefore reduced risk in terms of accuracy and explainability. They also help address more complex and specialized use cases.

We can view LLMs and SLMs as two ends of a spectrum with overlap in between. Overall SLMs distinguish themselves from LLMs in one or more of the following ways.

- > SLMs are more fine-tuned because vendors or companies train them on detailed, domain-specific inputs.
- > They enrich user prompts, for example by injecting domain-specific inputs into a user's question to make the response more accurate.
- > They augment outputs, for example by having multiple models generate outputs to give users more contextual knowledge.

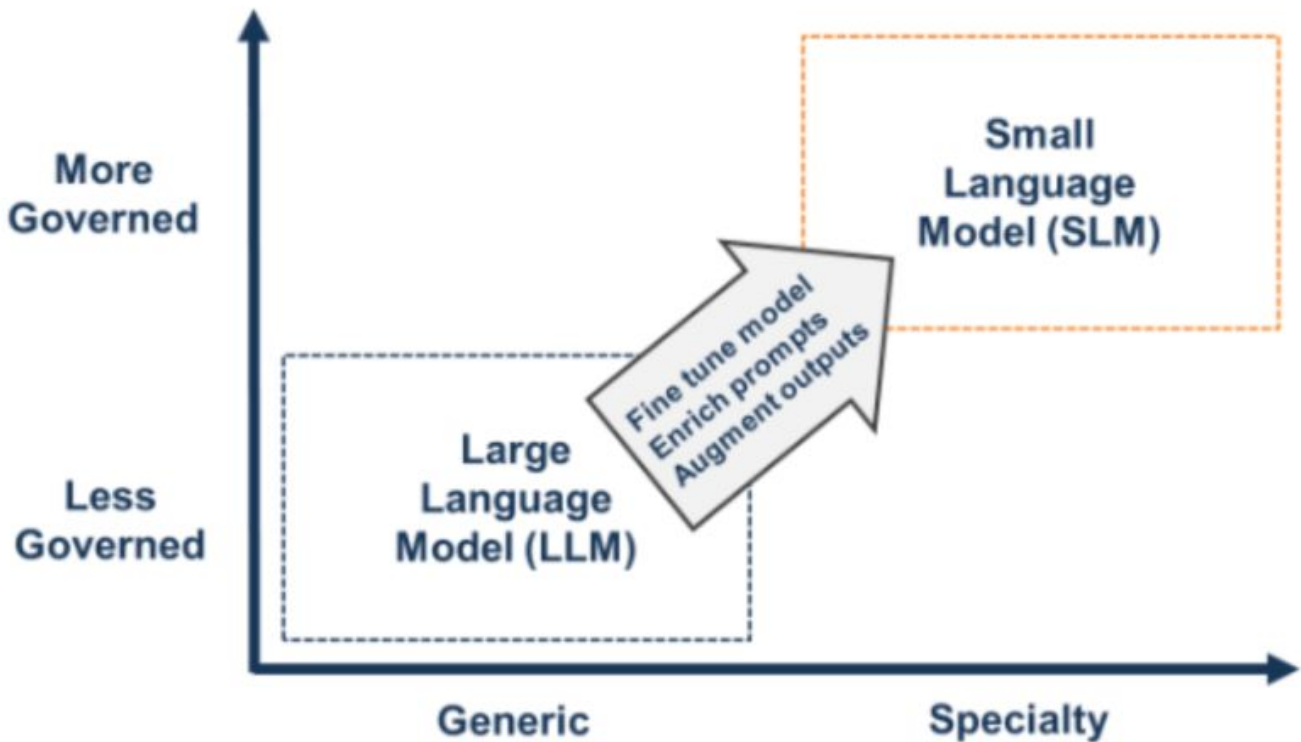
Data pipeline vendors are building SLMs with these capabilities now. We should expect more announcements along these lines given the booming excitement about generative AI--and the rising need for better governance.

Data experts: what do you think? Would love feedback on this thesis.

Also check out my full blog on this topic. It includes a deeper dive on Informatica's CLAIRE GPT offering:

<https://lnkd.in/gzCvUi2p>

Bill Schmarzo Dan Everett Wayne Eckerson Sumit P. Daniel O'Brien Jeff Smith #generativeai  
#largelanguagemodels #llms #chatgpt #bard #ai Gaurav Pathak Mitchell Nitzan Peggy O'Neill Elmer  
Ayala Joel Minnick Navin Sharma Harshit Parikh



👍👏❤️ 176 · 36 Comments



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Yann LeCun

1w



Full video of the Munk Debate that took place on 2023-06-22:

"Be it resolved, AI research and development poses an existential threat."

On the YES side: Yoshua Bengio & Max Tegmark

On the NO side: Melanie Mitchell & me.

<https://lnkd.in/g7c6PVVt>

👍👏❤️ 854 · 88 Comments



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**Lydia Alexia**  
Business Manager at Avertim - Banking & Insurance  
1w

I was lucky enough to attend the DigitalWallonia AI conference on Thursday, June 22nd, accompanied by [Brieuc Bokuetenge Balamba](#) and [Robin Louwart](#). 💡🔥

At [Avertim](#), we have a thirst for learning and improvement, and the world of AI is very inspiring. As a company deeply involved in digital transformation projects, we actively support our clients in their automation challenges.

Thanks to [Emilie Fockedey](#) and [Antoine Hublet](#) for organizing this enriching event and to [Willy Borsus](#) and [Gilles Babinet](#) for their insightful intervention.  
[#ai](#) [#digitaltransformation](#)

20 · 1 Comment

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**Izabela Lundberg, M.S.**  
Legacy Leaders Institute Founder who “Gets It” • Trusted Sr. Advisor To Today’s & Tomorrow’s \$B Visionary O...  
6d

Art...

Artificial intelligence is a brush that paints the canvas of endless possibilities.

It is the catalyst that propels us toward a future of boundless innovation.

The true power of AI lies not in replacing humans, but in augmenting their capabilities.

What are your thoughts, Champions?

Please share and comment below.

#ai #transformation #leadership #art #innovation



16,326 · 418 Comments

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**Biju Krishnan**  
Freelance AI/ML/Data Architect  
1w

I decided to have some fun with generative AI and fine tuned a text to image model with my own photos. All this cost approx \$2 only.  
What you see on the left is a photo of me taken in a studio and what you see on the right is an AI enhanced version of my photos.  
🚫 Note: I have never worn a suit in my lifetime, not even for a photoshoot, so this is completely AI's imagination.  
Seeking honest and also wrong 😂 answers  
❓ Which one of these photos do you like more?  
❓ Assuming I make a cold approach on LinkedIn for a connection, which one do you think will make a better impact?  
❓ Do you consider it ethical for a person to enhance their photos with AI for social media and dating apps?

71 · 29 Comments

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Chetan Dixit

Google Cloud | Data Engineering | Data Science| Analytics| Big Data

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Read more: <https://lnkd.in/ddy9CX3y>

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**Tomer Gal** ⚡⚡ Founder and CTO at OpTeamizer - AI&GPU(CUDA) development services | NVIDIA's CUDA and Deep Lear...  
5d · Edited

Greetings all,

Recently, I had the privilege of attending a comprehensive roundtable discussion at the [Knesset](#) led by [Orit Farkash Hacohen](#), focusing on the trajectory of artificial intelligence (AI) in Israel. Witnessing this robust dialogue, I was inspired by the exchange of ideas and the commitment to drive Israel's pioneering spirit in the [#ai](#) revolution.

The room was filled with experts from various sectors, including [Ziv Katzir](#) from the [Israel Innovation Authority](#) [רשות החדשנות](#) and [Idan Bezalel](#) from the Ministry of Defense. Their shared insights were invaluable, painting a vivid picture of Israel's AI landscape and the potential that lies ahead.

One of the key takeaways from the discussion was the need for long-term infrastructure in AI and the importance of state planning. Balancing these ambitions were essential conversations around the ethical considerations and potential risks of AI integration, elements that are fundamental to the responsible development and deployment of AI technologies.

In the rapid pace of AI advancement, it's clear that its influence extends far beyond a single sector. The meeting highlighted how AI transforms areas from defense to education, and government services, emphasizing that "It's risky. Because eventually, you're going to have entities that are smarter than all of us, and you need to be able to control them." But the commitment to navigating these complexities with continuous innovation and a robust ethical framework was evident.

I'm sharing these reflections to encourage continued dialogue about the future of AI, a lot that we all have a stake in shaping.

Dive deeper into the conversation at the Knesset by reading the full article:  
<https://lnkd.in/dA92vUq5>

You can also watch my recent interview with i24NEWS, where I expand on my perspectives on the rapid developments in AI. As we collectively shape the future of AI, let's ensure it evolves with foresight, thoughtful consideration, and a commitment to the greater good.

[#innovation](#) [#technology](#) [#deeplearning](#) [#artificialintelligence](#) [#israel](#)

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