🎥 *"John Wick: The Model War – A Tale of Energy Efficiency"*
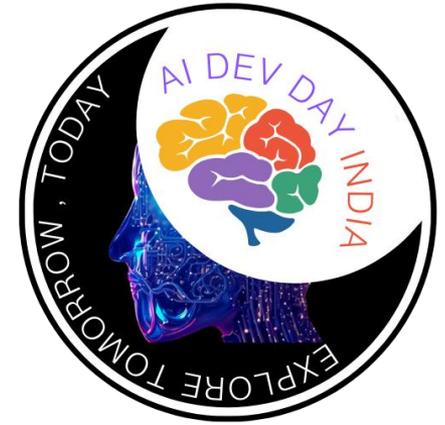
By Om Subrato Dey
Final Year B.Tech Student
Vellore Institute of Technology, Chennai

ACT I – THE RECALL

The High Table Members

OmegaGPT

UltraBERT

GigaNet

John Wick living pleasant life with his dog and Mustang CPU far away from the complex world of GPUs and memory hogs.

ACT II – THE PRUNING

ConvLayer 32 which is slow, bloated and inefficient.

MaxPoolMarauder who was distorting the truth.

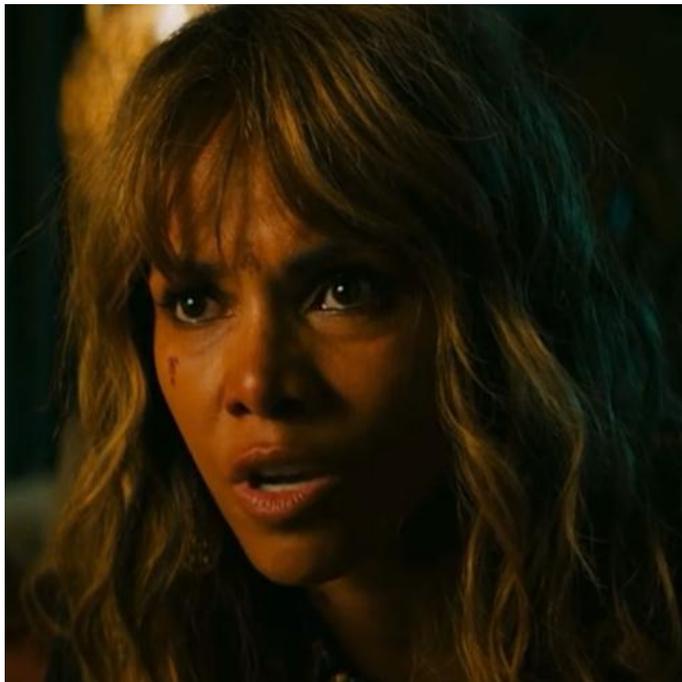**Exploding Gradient who caused chaos and unstability.**

**"I'm not back because I want to be...
I'm back because they made the model too big."**

- John Wick

ACT III - KNOWLEDGE DISTILLATION: A NEW ALLY

Sofia helps John Wick to gain skills of optimized model and makes him a better redefined version of himself to fight back against the GPU powerhouses

And then John Wick turns to.....

Sofia (Model Compressionist Expert)

Skills and Optimized Techniques Max Wick now has

Pruning

Dimensional Reduction

Optimized weights and bias

Batch Normalization

MAX WICK

Adam Optimizer with suitable learning rate

Earlystopping

Dropout

NAS

Minimized Loss Function

ACT IV - THE FINAL SHOWDOWN AT GPU POWERHOUSES

He unleashes quantized, parallelized, hardware-aware fury.
Every shot is a perfectly placed prediction.
Every enemy falls with a 0.95 confidence score.
He doesn't miss.

EPILOGUE - A GREENER FUTURE

Wick returns home—not to retire, but to train the next generation of models in such a way that they are:

-> Low-power
-> Interpretable
-> Ethical
-> Energy-efficient

---END OF STORY---

"It was never always about the accuracy,
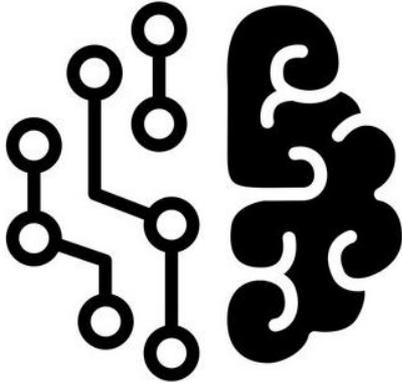*It was about efficiency and task fullfilling."*

- Max Wick.

THE MORAL

In a world drowning in over-engineered, energy-hungry AI, John Wick showed us the truth.

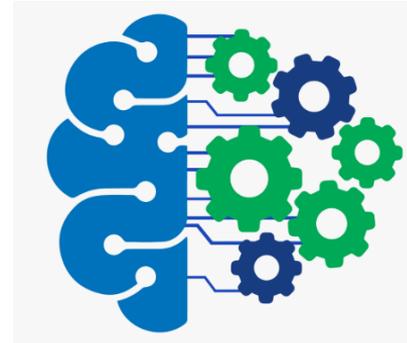The real killer feature... is efficiency.

MAX WICK HAS SOME Q/A FOR YOU
Which among the below is a better to use model?

MODEL A

Accuracy = 97.74%

MODEL B

33% SMALLER

Accuracy = 90.63%

WHAT ARE THE BENEFITS ENERGY EFFICIENT MODELS PROVIDE?

1. Environmental Benefits

2. Economic Advantages

3. Energy Security

4. Regulatory Compliance

5. Technological Advancement

6. Avoding unnecessary overheating of systems in use.

So what will happen if Energy Efficient Models are not used then?

WHAT ARE THE CHALLENGES FACED WHILE BUILDING THESE?

- Quality Issues

- Resource Availability

- Integration Challenges including dependency issues

- Software and Hardware dependencies

- Scalability and Adaptability

- Limited Domain-Specific Model

Special Thanks to Sanjay Saini Sir, and the whole of AgileWoW Support Team, Acquity Knowledge Partners, and Scrum.org to give me this opportunity and making it possible.

Thanks to each one of you as well to spend your valuable time to attend this event.

www.Agilewow.com

Thank You!

Please feel free to reach out to me.

Email ID:
ommsubrato.dey@gmail.com

This is my LinkedIn