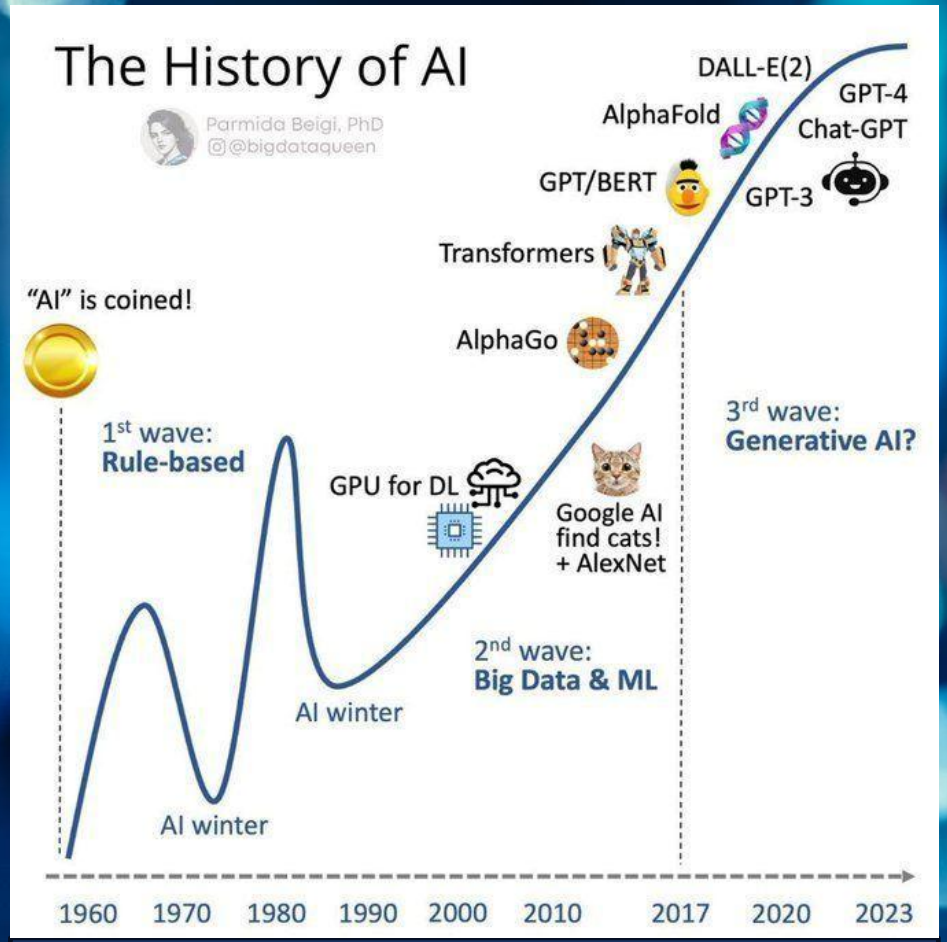
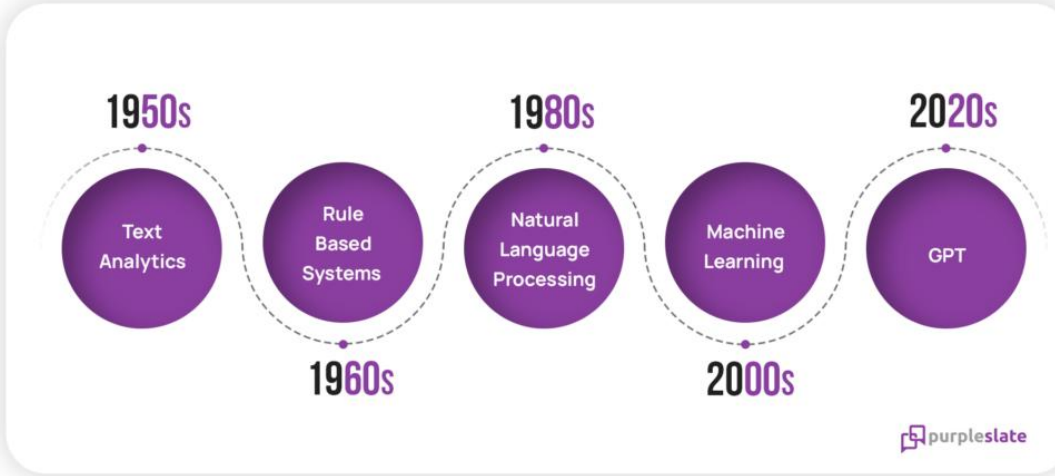
AI & CYBERSECURITY

BRIEF HISTORY OF AI

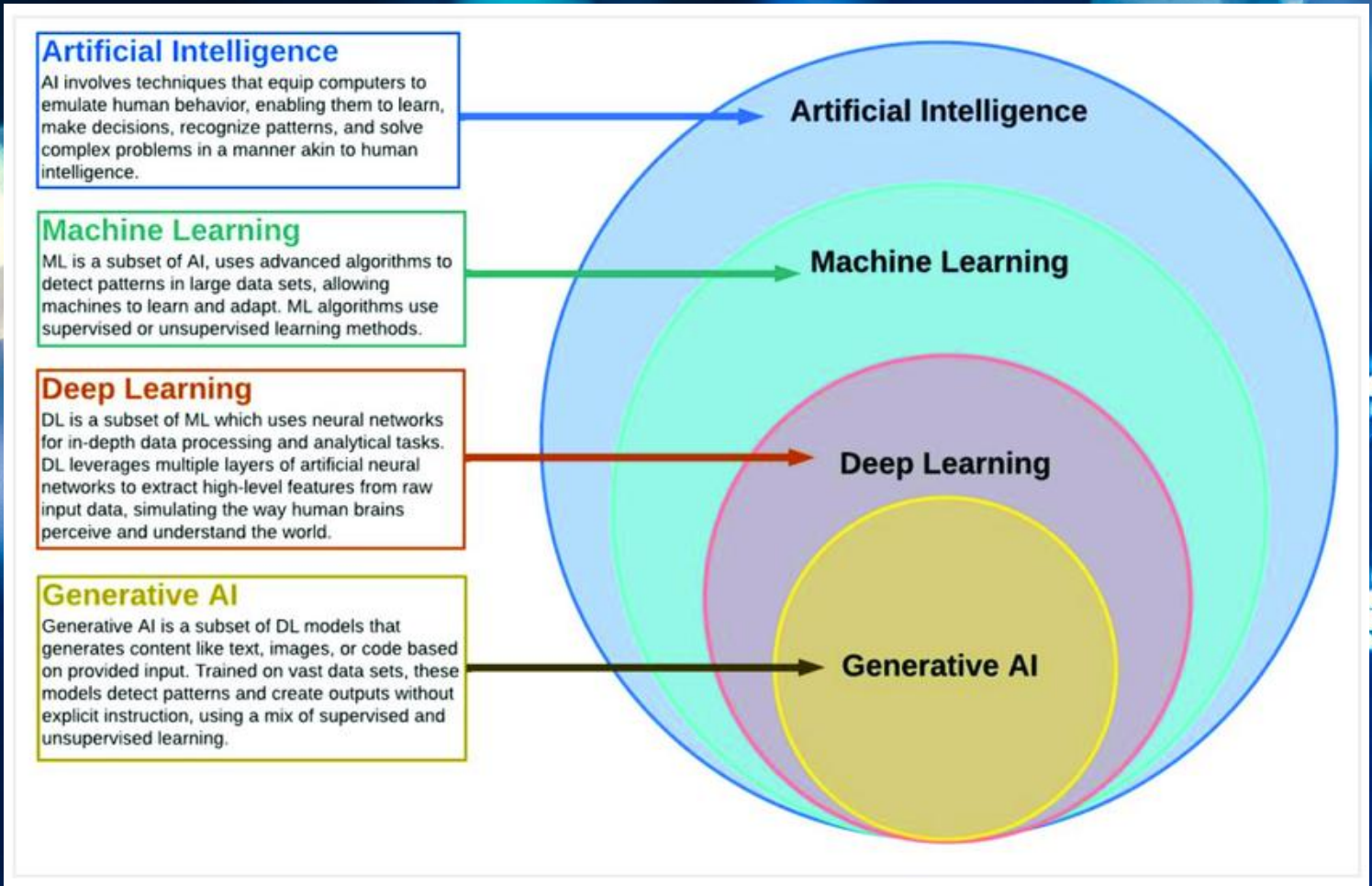


Source: https://www.parmidabeigi.com/
https://x.com/AndrewinContact/status/1744691198378266747



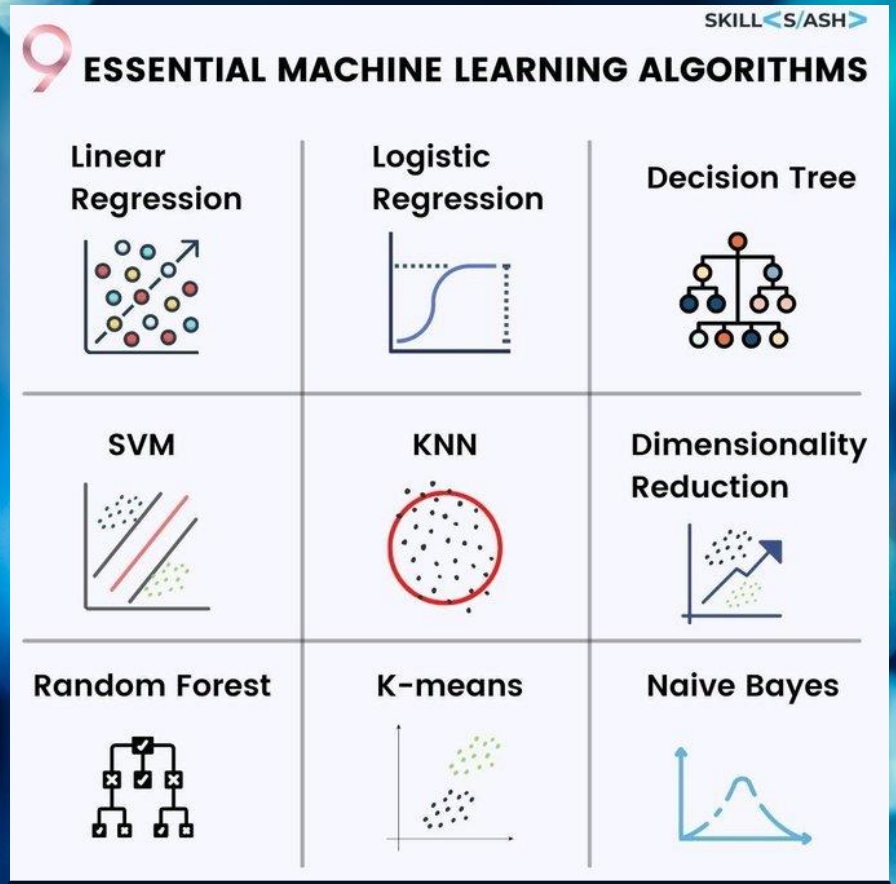
Source: https://www.purpleslate.com/generative-ai-guide/

ARTIFICIAL INTELLIGENCE FUNDAMENTALS



Source: https://www.mdpi.com/2071-1050/15/18/13484

MACHINE LEARNING ALGORITHMS



Source: https://www.skillslash.com/
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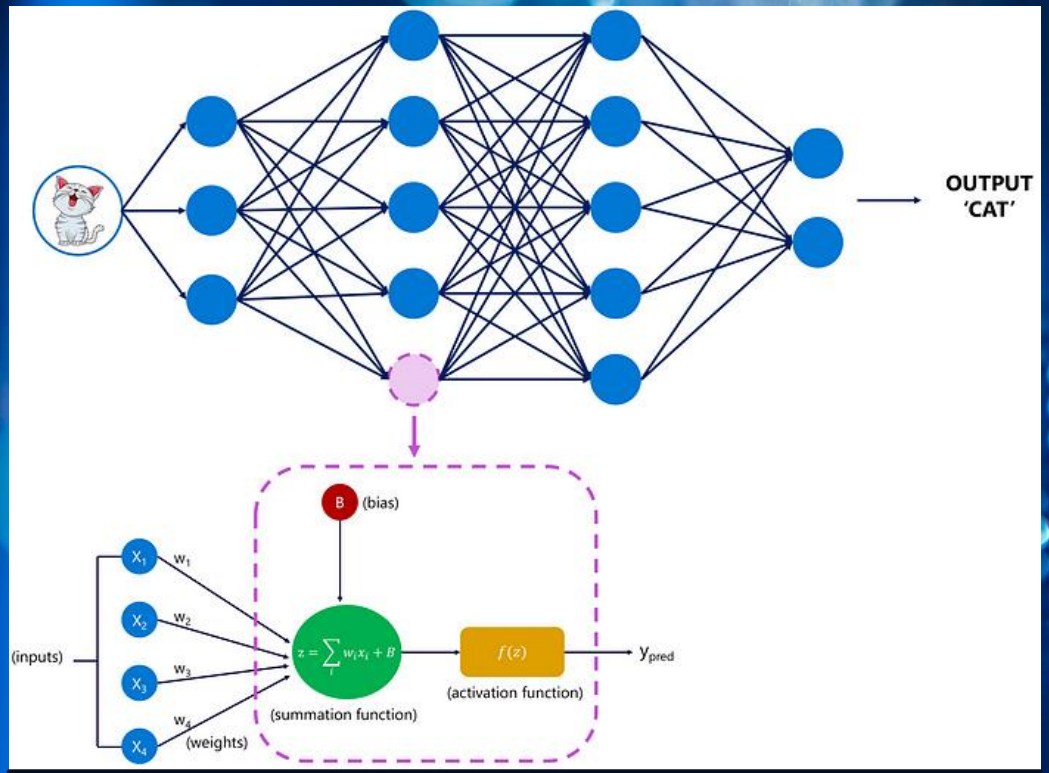
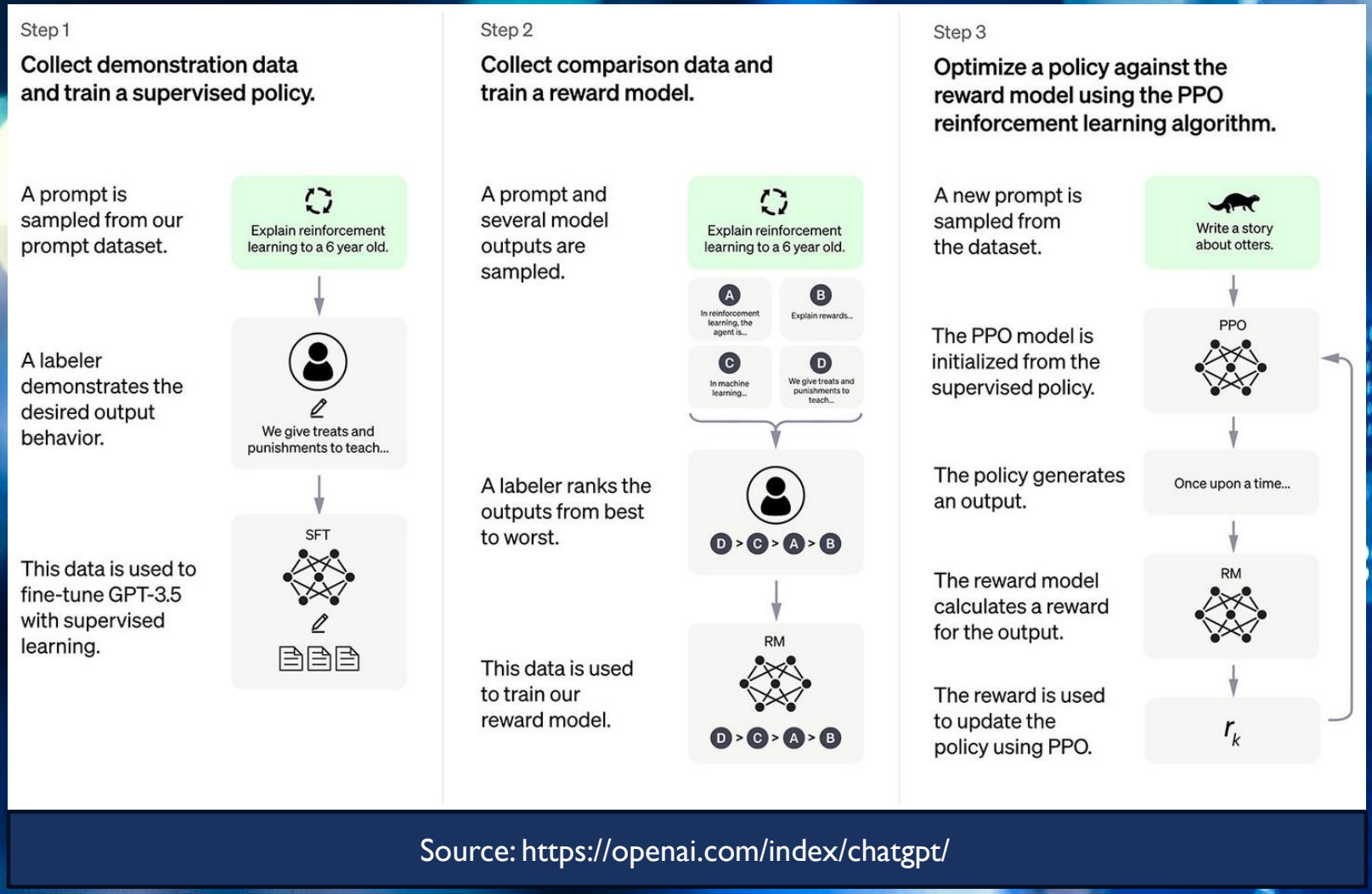


Source: https://medium.com/@margauxvanderplaetsen/
the-journey-and-architecture-of-chatgpt-a-look-behind-the-scenes-ef35bed11072

TRAINING CHATGPT



Source: https://openai.com/index/chatgpt/

AI FOR STUDYING

- Create a study plan
- Summarize notes/videos
  - Gamma, ChatGPT, Fabric
- Quiz yourself

GEN AI FOR OSINT

- Cleanup.pictures
- Picwish.com
- Phind.com

PRESENTATION

Preston Thornburg

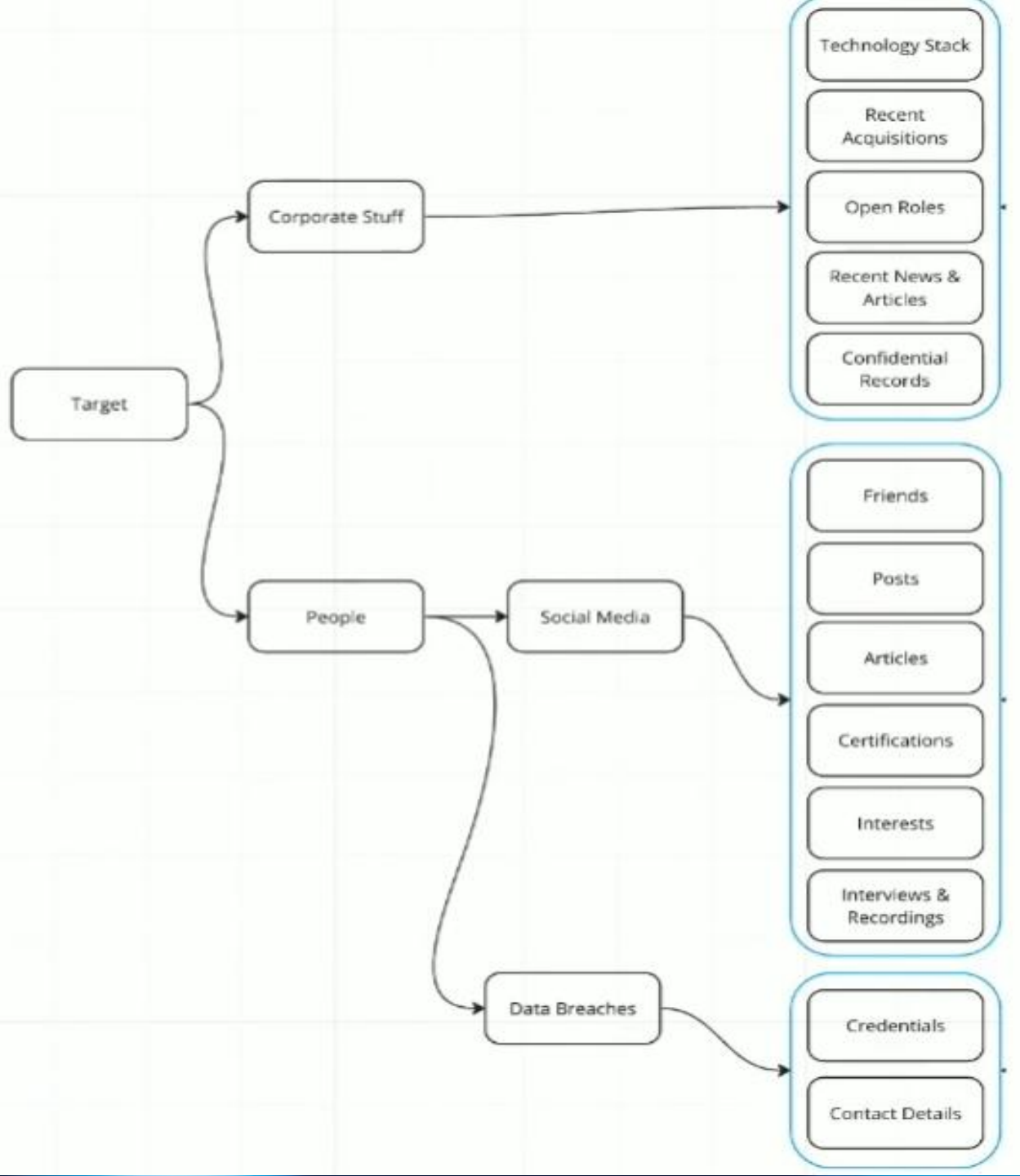
Dani Goland

Phishing with Dynamite: Harnessing AI to Supercharge Offensive Operations

SOCIAL ENGINEERING COMMUNITY

General Flow

Phase I - Gathering data high level data from established pipelines



Tools Used

We build a modular framework consisting of various modules that accomplish different tasks tasks such as:

- Web Scraping
- OSINT Gathering
- Data Leak Lookups
- Image Captioning
- Social Media Reconnaissance
- Datastores(e.g. Vector DBs, Elasticsearch, Neo4J)
- LLMs(OpenAI GPT4, OpenAI Embeddings)

Personal Hobbies

Strategy Synopsis: The scammer leverages the individual's deep community involvement and dedication to health and wellness, while also serving in a leadership role professionally. By indicating that there's a move to start a local chapter in Cleveland and emphasizing the value of the individual's dedication to the community, the scammer aims to appeal to their sense of duty and recognition.

Subject: Bodybuilding.com's New Cleveland Chapter Needs You

Hi Dave,

I hope you're doing well. Over the past few months, we've been considering expanding Bodybuilding.com's community chapters, and Cleveland has always been on our radar, given its active and dedicated members like you. Given your unwavering commitment to the community and your efforts in promoting better health and wellness, we thought it'd be great to have you play a pivotal role in this new chapter. We have a few roles and responsibilities drafted out and would love to get your input.

Please find the attached document outlining some of the initial plans and roles. If any of these resonate with you, do let us know. I genuinely believe that with individuals like you, this new chapter can create a significant impact. Let's catch up soon to discuss more.

Warm regards,

Tiffany Brosch

Community Development

Bodybuilding.com

RISKS AND CONSIDERATIONS

- Be aware what you can and cannot use!
- Privacy & Data storage
- Accuracy
- Ethical Implications

AI Meal Planning for Broke College Students

- Chat GPT integration with Instacart streamlines shopping.
- AI analyzes preferences and suggests high-protein options.
- Offers recipe suggestions tailored to dietary needs and budget.
- Turned 2 hours into 2 minutes .
- Real-time inventory updates ensure items are in stock.

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AI Weekly Task Organization

- AI extracts syllabus tasks and schedules and organizes them by week.
- Eliminates 20 minutes of manual organization each week.
- Clear and concise overview of weekly tasks.

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BONUS: AI Calendar Integration

- AI can input class schedules directly into Google Calendar.
- Eliminates the need to manually add each class, saving time.
- Reduces risk of scheduling conflicts by automatically accounting for class times.
- Ensures that important academic deadlines are not overlooked.
- Provides a clear and organized overview of weekly commitments.

ThePhoto by PhotoAuthor is licensed under CCYYSA.

24/7 AI Receptionist for My Business

- 24/7 AI receptionist service for businesses
- Answers customer questions and books appointments
- Reduces need for human receptionist, saving labor costs
- Frees up staff to focus on other tasks
- Provides professional and consistent customer service

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THANK YOU!