Generative AI Architect

Start small and build step by step.

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- □□□□□□□□□□□□□□□□□□□□□□: Get comfortable with Python. Learn its syntax, libraries (like NumPy, Pandas), and basic coding practices.
- □□□□□□□□ □□□□□□□□□□□□□□□□□□□□□: Brush up on linear algebra, calculus, and basic probability. These form the backbone of AI.

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- Understand key ML concepts (supervised vs. unsupervised learning, evaluation metrics).
- Try out simple projects with scikit-learn to see these ideas in action.

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- □□□□□□□□□□□□ □□□□□□□□□□□□□□□□□: Learn how they work (from neurons to backpropagation).
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- □□□□□□□□□□ □□□□□□□□□□□□□: Tinker with autoencoders and variational autoencoders (VAEs).
- □□□□□□□□ □□□□: Once you’re comfortable, build a simple GAN to generate images.
- □□□□□□□□ □□□□: Follow emerging techniques like diffusion models and transformers—these are pushing the field forward.

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- Work on personal projects—even small experiments count.
- Share your work on GitHub or your blog. Real-world examples speak volumes.

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- Join online communities, attend meetups, or webinars.
- Networking isn’t just for job hunting—it’s a great way to learn and stay motivated.

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- The field is evolving fast. Follow thought leaders, read research papers, and always be curious.

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Revision #2
Created 8 February 2025 21:25:45 by sedawk
Updated 10 February 2025 16:36:32 by sedawk