Python ?

Bosics Introduction bo Computers & Programming Basic Roblem Advanced Python solving on Concepts " Hadder Rank" [Until you can write code assily without charting I optional Object Oriented
Rogramming Data Structures P Algorithms Roblem Solving in . A good software engineer Python on => great AIVML engineer. Hocker Rank & Leet Code * You can now read & write code & DOCS. > Jupyter Notebooks AI: definition & brief A Ristory 7 What are the different AI types? "AGI/Narrow... (When to go for AI? AI examples From our day-to-day life What is Machine Learning?
[Definition & Types] * Now you clearly understand + can explain AI basics Hath: Calculus & Linear Algebra * You have the foundations to ude & understand ML algorithms. (Data Science) Pandas: data manipulation? Num Py: Numerical Computation Hotplotlis: plots Hactice: grab a dutaset Scikit-Learn: From Kaggle fgo for Machine Learning through the Rifecycle) * repeat the practice step many times! * If you find it difficult => grab notebooks Confine I that have empty code spaces to fill Machine Learning Idifference blu Deep Dive into algos, technical details such as hyperporo tuning / over-under fitting/... Practice on datasets L Supervised ML exercises, Unsupervised ML, dive deep to get the best results & them] Deep Learning} technical details in DL such as Dropout... Practice using Keras & Computer Vision: in depth) PyTorch { CNN } Images & why we need CNN Hactice: on different? * Practice light/easy types of CV problems problems until you get the hong of it. Trial & Error * There's always tutorials & Jeeds when you get stuck. Now we have a strong Foundation in using NW + obep learning (Tokenization) (Embeddings) Why normal MN Faie? (BNNº Practice a lot on text data for "Sentiment analysis, classify,... Attention is all you need) Large Longuage Transformers Models Practice using Hugging Face & LIM APIS *Now I recommend building many smoll projects that cover the information learned. 1 * Build a big project in your preferred AI sub-domain (Generative AI > (Hore on ILHs) (RAG) BANs) {VAEs} Projects (Real World Robbons) Ly for your portfolio .Internships Jobs Papers (to stay up to date) - Events, workshops, _Notes: * You can dive into Reinforcement Learning if you're interested in goming bots/robotics * All materials would be found online FOR FREE! · Check: - HUAWEI Ict Academy - Coursera (Specialization. for aid) _ Data camp (BeirutAI) _ Free Code Camp (Youtube) IBH Cognitive Class . Medium tutorials Haidar bood Luck :)