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Generative AI Architect-
Advanced Program

Generative AI Architect- Advanced Program is one of Industry's first programs on Generative AI for technical architects from non-machine learning backgrounds and for machine learning engineers & data scientists who want to pursue a "Generative AI Architect" career path. The cloud platform used in this program is AWS, which is the leading cloud platform for running and managing Generative AI models like Large Language Models and Diffusion Models.

What we teach ?

❯ Generative AI System Design

- Deep generative modeling techniques
- Building apps with LLMs and Diffusion models
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- LLM usage scenarios and design patterns
- Vector database design patterns
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- Enhancing performance of LLMs using reinforcement learning techniques
- Scaling laws, performance benchmarks for LLMs
- LLMs for code understanding, generation, debugging
- Scaling Reinforcement Learning from Human Feedback with AI Feedback
- Using few shot learning techniques
- LLM Cost optimization

❯ Building Generative AI driven apps

- Lab: Building a ecom chatbot with LLMs
- Lab: Building advanced Question Answering app querying multiple pdf documents
- Lab: Building Retrieval augmented generation (RAG) based LLM app
- Lab: LLM finetuning using advanced techniques
- Lab: Building stock trading chat app with Langchain and vector database
- Lab: Evaluating LLMs
- Customer case studies- LLM based apps/ products

❯ Productionizing GenAI apps

- LLMs in production

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Who should attend ?

Experienced professionals (2 to 15 yrs)

- ML engineers/ data scientists who aspire to become Generative AI architects and intend to deepen their skills on usage of cloud tools/ services used to manage lifecycle of ML models

- Technical architects/ Sr engineers from non ML backgrounds who want to pursue career path of Generative AI architect in the long run and have completed our foundation program- "Generative AI with python and AWS".

Pre-requisites

- Basic understanding of Machine Learning (Supervised & unsupervised learning methods) is a must

- Basic understanding of Generative AI concepts like Large language models and diffusion models is a must as this program does not start with covering those basics.

- Hands-on coding experience in Python is a must.

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Our trainers/ mentors & instructors

Lead Trainers/ Mentors

Abhiroop Roy

ex CTO/tech founder in 5 startups, 19 yrs in software products, 13 yrs in AI, Data engg, analytics, 8+ yrs as cloud architect.

Prabodh Ranjan

Marie Curie Fellowship- IIT Madras, 7+ yrs cloud & cybersecurity, 6 yrs in AI/ML

Other Trainers

Lead engineers/ architects with past experience in Unicorns, Soonicorns, Silicon valley startups, tech divisions of Fortune 500 enterprises top tier Tech services & consulting firms and product startups

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Contact Us for a discussion and for registration for trial sessions

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For Further Details, Register For Program Teardown/ Awareness Session By Filling The Below Google Form:

Https:/Forms.Gle/YGpSXfu3NPRDKT5P7

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