

# **Generative AI and Practices**

**CS435 - GENAI**



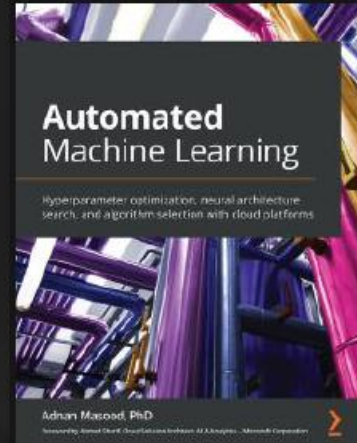
**Adnan Masood, Ph.D.** -Chief AI Officer @ UST, visiting Scholar at Stanford AI Lab, Microsoft MVP (Most Valuable Professional Alumnus) and Regional Director for Artificial Intelligence.



## Responsible AI in the Enterprise

Practical AI Risk Management for Explainable, Auditable,  
and Safe Models with Hyperscalers and Azure OpenAI

ADNAN MASOOD, PHD  
HEATHER DAWE



## Automated Machine Learning

Hyperparameter optimization, neural architecture  
search, and algorithm selection with cloud platforms

Adnan Masood, Ph.D.

Senior Principal, Chief AI Officer, Microsoft Corporation

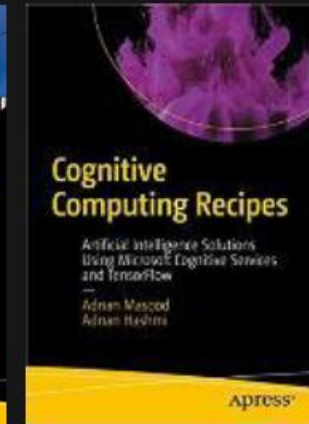


## Hands-on Azure Cognitive Services

Applying AI and Machine Learning for  
Richer Applications

Ed Price  
Adnan Masood  
Gaurav Arora

Apress



## Cognitive Computing Recipes

Artificial Intelligence Solutions  
Using Microsoft Cognitive Services  
and TensorFlow

Adnan Masood  
Adnan Hashmi

Apress



## Learning F# Functional Data Structures and Algorithms

Get started with F# and explore functional programming  
paradigms with data structures and algorithms

Adnan Masood, Ph.D.

PACKT PUBLISHING

**Adnan Masood, PhD**

Chief AI Architect

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**Dr. Adnan Masood**



Understand the fundamentals of Generative AI, LLMs, and their architectures, including transformer models and attention mechanisms

Analyze and implement security measures for LLMs, including vulnerability assessment, red teaming, and mitigation strategies

Evaluate the impact of AI regulations and governance frameworks, such as the EU AI Act and ethical guidelines, on AI development and deployment

Apply ethical principles in AI development and deployment, addressing issues of bias, fairness, and transparency in LLMs

Implement secure LLM solutions in various cloud environments (AWS, GCP, Azure) and open-source platforms like Hugging Face

Unprecedented times

Practical Skills

In Depth Understanding

Why Humans?

AI

AI is

awesome!

AGI

ASI



# Generative AI

# Transformer

# Attention

LLM

# Hyperscalers

# AWS

# GCP

# Azure



# Bias

# Fairness

# Trust

# Accountability