**Course Outline**

**Module 1: Leveraging Generative AI for Fraud Detection**

**Topics:**

• Overview of Gen AI in Fraud Detection

• Email Fraud Detection using GAN model

• Best Practices

**Module 2: Using Midjourney for Generative AI Art**

**Topics:**

• Artistic Exploration with Gen AI MidJourney

• Getting Started with MidJourney

• MidJourney User Interface

• Crafting Visuals using MidJourney

**Module 3: GitHub Copilot for Developers**

**Topics:**

• GitHub Copilot: Introduction, Installation, and Configuration

• GitHub Copilot: Improving Developer Efficiency

• Application Scenarios, Problem Solving, and Summary

**Module 4: Generative AI: Privacy and Protection Perspectives**

**Topics:**

• Introduction to Data Privacy

• Privacy Challenges and Regulations in Generative AI

• Safeguarding Data Privacy at Your Workplace

• Legal and Ethical Considerations

**Module 5: Generative AI for Cyber Security**

**Topics:**

• Overview of Cybersecurity

• Essentials of Cybersecurity

• Gen AI Applications in Cybersecurity

• Gen AI for Intrusion Detection Systems

• Automating Security Operations using Gen AI

• Enhancing Network and Endpoint Security with Gen AI

• Anticipated Trends and Challenges in the Future

• Components, Strongly Connected Components, Label Propagation