



# AI-Powered Audit & Data Analytics Masterclass

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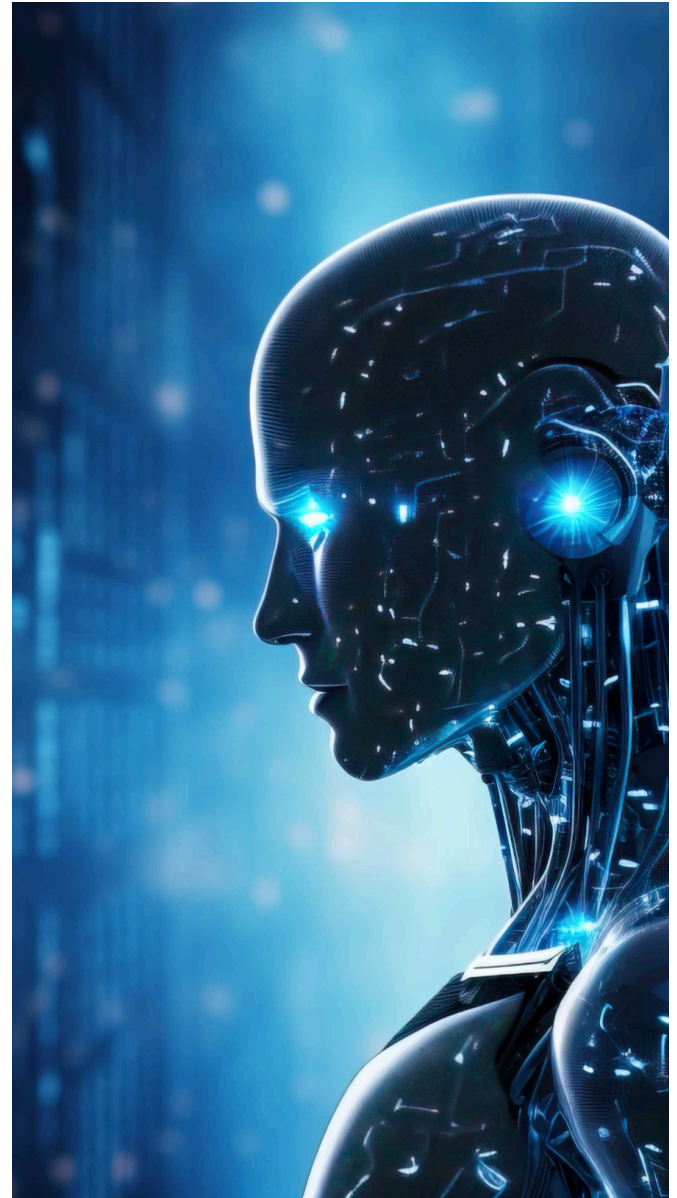


# Training Background

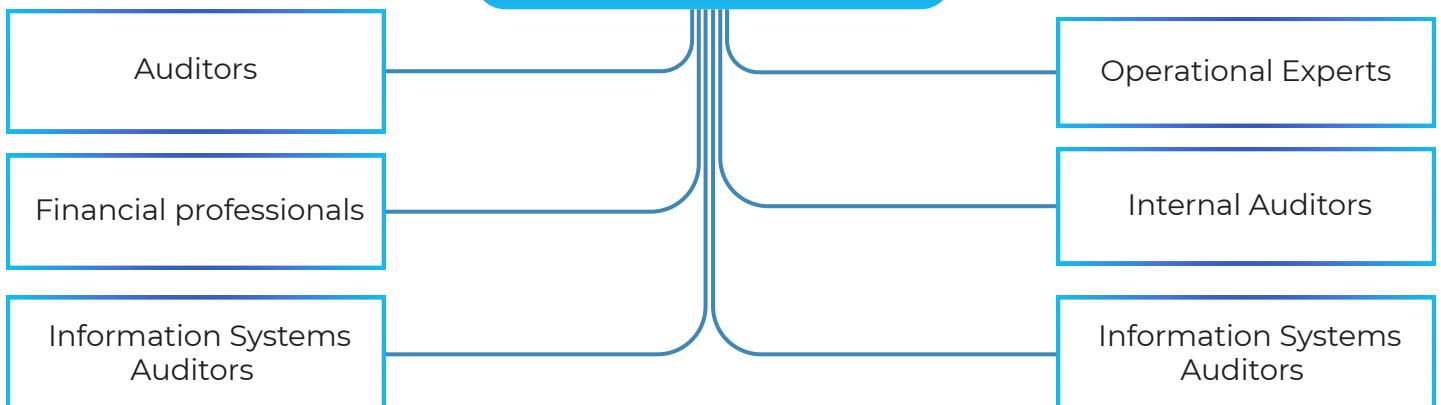
Understand how Data Analytics, Fraud Analysis, Matching Techniques and Predictive Analytics can be leveraged in the Internal Audit to improve efficiency and effectiveness of the Audit Methodology.

**This training will focus on the following topics during this workshop, participants will:**

- 1. Understand the use of Data Analytics Tools, Techniques & process**
- 2. Understanding Database concepts and Data formats**
- 3. Understanding Data Importing and Integrity verification Fraud**
- 4. Data Analysis techniques using ACL. Continuous Auditing and**
- 5. Continues Monitoring**



## Who should attend?



# Training Agenda

**DAY 1: Foundations & The Data-Driven Audit Focus: Establishing the "Single Source of Truth" and using AI to bridge technical gaps**



Session	Topic
<p><b>DAY 1</b></p>	<ul style="list-style-type: none"> <li>1. <b>The Modern ACL Interface</b> <ul style="list-style-type: none"> <li>• Navigating the v19 workspace, project organization, and the Log.</li> </ul> </li> <li>2. <b>Intelligent Data Acquisition</b> <ul style="list-style-type: none"> <li>• Using the Data Definition Wizard to import ERP tables (SAP, Oracle)</li> </ul> </li> <li>3. <b>ACL Expressions Dynamic Calculations</b> <ul style="list-style-type: none"> <li>• Using the side-panel assistant to generate complex Filters and Computed Fields without manual coding</li> </ul> </li> <li>4. <b>Data Integrity Baseline</b> <ul style="list-style-type: none"> <li>• VERIFY (finding data errors),</li> <li>• TOTAL (control totals),</li> <li>• STATISTICS</li> <li>• (finding outliers in invoice amounts using Benford &amp; outlier )</li> </ul> </li> </ul>

## DAY 2: Relational Analysis & Forensic AI Focus: Connecting the P2P cycle and using AI to analyse unstructured human intent.

Session	Topic
<b>DAY 2</b>	<p><b>1. Data Harmonization:</b></p> <ul style="list-style-type: none"> <li>UPPER(), ALLTRIM(), and CLEAN() to standardize vendor names across different systems.</li> <li>Relational Logic (The Three-Way Match):</li> <li>JOIN and RELATE to connect POs, Receiving Reports, and Invoices.</li> </ul> <p><b>2. Activity</b></p> <ul style="list-style-type: none"> <li>Behavioral Auditing (Internal Controls):</li> <li>SUMMARIZE on "User ID" and "Date" to identify Split Purchases designed to bypass approval limits.</li> </ul> <p><b>3. The v19 AICOMMAND VERIFY (finding data errors)</b></p> <ul style="list-style-type: none"> <li>Scenario: Analyzing the "Description" or "Comments" field.</li> <li>Sending unstructured text to AI to flag "Suspicious Intent" (e.g., phrases like "urgent pay" or "documentation to follow").</li> </ul>

## DAY 3: Strategic Automation & Board Reporting Focus: Turning one-time audits into continuous monitoring and executive insights

Session	Topic
<b>DAY 3</b>	<p><b>1. Using the Command Log to auto-generate ACLScript for repeatable P2P testing.</b></p> <ul style="list-style-type: none"> <li>Continuous Monitoring with Robots:</li> <li>Uploading local scripts to the Diligent HighBond Robots Agent for 24/7 automated oversight.</li> </ul> <p><b>2. Exception Management &amp; Remediation</b></p> <ul style="list-style-type: none"> <li>Pushing findings to the Results module to assign tasks to managers for follow-up.</li> </ul> <p><b>3. Executive Insights (Strategic Reporting)- Storyboard</b></p>



# Meet the trainer Obada Hatab

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## Experience: 7+ Years in data analytics for auditing

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**Obada** is a Senior Consultant specializing in Data Analysis, with extensive expertise in data analysis for auditing, fraud detection, machine learning for predictive auditing, and Governance, Risk & Compliance (GRC). Over the past 7+ years, he has demonstrated proficiency in continuous monitoring, audit automation, and leveraging data visualization to enhance insights. His background includes delivering comprehensive trainings in Data Analysis for auditing, ERP Auditing, and IT Audit utilizing CAATs (Computer-Assisted Audit Tools). He holds a Bachelor's degree in Network and Information Security Engineering from Princess Sumaya University for Technology – Jordan. Known for his strong analytical skills, technical prowess, and strategic approach to addressing complex business challenges, he brings valuable experience in Audit Analytics, Fraud Detection, Governance, Risk & Compliance Management, Machine Learning, and specialized expertise in ESG Analytics.

### **Certifications & Trainings:**

He holds certifications including ACL Certified Data Analyst (ACDA), AI & ML in Analytics by Diligent, International Certified CAATs Practitioner (ICCP), International Certified ESG Auditor (ICAE), and GRC Certified by Diligent.

### **Projects:**

#### **His extensive project portfolio includes:**

- Foundation & Basics of Data Analytics for UAE IAA (Dubai) and Jordan IIA (Amman). IT Audit – Data
- Analytics using CAATs for ISACA Muscat Chapter (Oman). Training on Data Analytics & Artificial
- Intelligence for the Jordan Insurance Federation (JIF) and Qatar General Insurance. Script development and automation for analytics and
- auditing at RAK Ceramics (UAE) and YAS Holding (UAE). Consultation and training on Data Analysis & Robotics for continuous monitoring at ARENCO
- (UAE), ADNEC (UAE), and YAS Holding (UAE). Various analytics and auditing projects across sectors including Majid Al Futtaim (UAE), ADIA
- (UAE), Al Dawoodia (Qatar), Qatar Foundation (Qatar), Oman Ahli Bank, Ahli Bank in Jordan, Jordanian Electric Power, Palestine Invest Bank (Palestine), Libyan Foreign Bank, Arab Medical Centre, Ministry Of Endowment (Qatar), Dhofar Bank (Oman), and public training on Data Analytics & Fraud Detection Techniques in Qatar.

These projects showcase his proficiency in implementing advanced data analytics solutions, providing strategic consultation, and delivering tailored training programs across diverse industries and regions.