

CERTIFICATE

OF ATTENDANCE

This certificate is proudly presented to

Nida Murad

for successfully completing the training program

Introduction to Quantitative Finance for IT Professionals

from 11th August 2025 to 15th August 2025.

The program comprised 20 hours of lectures and 20 hours of analytical and coding exercises, covering the following topics:

- Time value of money, Modelling of interest rate curves, Calendar effects
- Bonds, Swaps, Forward & Futures contracts, Options on Futures & Stocks
- Modelling of volatility surfaces
- Option pricing using analytical, Monte Carlo, binomial tree and PDE methods
- Calibration of pricing models
- Hedging, Market risk models, Backtesting

15th August 2025,
Eschborn, Germany



Prof. Dr. Daniel Guterding
Trainer