

# MOLKA BOUZRIBA

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## EDUCATION

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<b>Tunis Business School</b> <i>Bachelor of Science in Business Administration, Major: Finance, Minor: Business Analytics</i>	Tunis, Tunisia 2021 - 2025
<b>Tunisia Polytechnic School</b> <i>Master of Science in Quantitative Economics and Finance</i>	Tunis, Tunisia 2025 - 2027

## EXPERIENCE

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<b>Private Equity Intern</b> <i>MAC Private Management</i>	March 2025 - June 2025 <i>MPM, Lac 1</i>
<ul style="list-style-type: none"><li>Developed probabilistic bottom-up valuation model for PE fund analyzing 7 portfolio companies to forecast exit scenarios and investment returns</li><li>Automated fund-level performance reporting by integrating portfolio cash flows, management fees, and carried interest calculations for LP distribution analysis</li></ul>	
<b>Trading Floor Intern</b> <i>BH Bank</i>	July 2024 - Aug 2024 <i>BH Bank Headquarters, Mohamed V</i>
<ul style="list-style-type: none"><li>Shadowed interbank loan trader, observing lending negotiations, cash management, and central bank refinancing operations</li><li>Gained insight from FX sales manager into technical indicators, OTC derivatives, and market strategies shaped by economic forecasts</li></ul>	
<b>Network Monitoring Agent</b> <i>Topnet</i>	July 2023 - Sept 2023 <i>Topnet Headquarters, Centre Urbain Nord</i>
<ul style="list-style-type: none"><li>Reviewed client claims regarding internet connectivity issues and monitored post-intervention progress using connectivity assessment tools</li><li>Updated CRM system with relevant information and client resolution status</li></ul>	

## PROJECTS

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<b>Financial Risk Management Project</b>   <i>Tunis Business School</i>	Sept 2024 - Dec 2024
<ul style="list-style-type: none"><li>Analyzed FX risks for multi-currency portfolio calculating static VaR and dynamic VaR via conditional volatility modeling</li><li>Developed a predictive model to forecast transaction dates, amounts, and currencies using ML and time series analysis</li><li>Proposed tailored forward contracts to mitigate FX risks</li></ul>	
<b>Real-Time Fair Value Model for Tunisian Dinar</b>   <i>Tunis Business School</i>	January 2024 - May 2024
<ul style="list-style-type: none"><li>Developed a Python-based real-time intrinsic valuation model for USD/TND combining a currency-basket baseline with stochastic spread adjustment</li><li>Built live 5-minute updating engine that fetches global rates, nowcasts the local spread, and signals over/undervaluation versus official BCT fixing.</li><li>Automated the full pipeline: feature engineering, volatility regime detection, model retraining, and continuous terminal dashboard with logging.</li></ul>	
<b>Derivatives Project</b>   <i>Tunis Business School</i>	Jan 2024 - May 2024
<ul style="list-style-type: none"><li>Assessed the interest rate risk of an insurance company and designed an immunizing swap contract</li><li>Presented the swap contract to a bank and negotiated the spread over the floating leg to be received by the insurance company</li></ul>	
<b>Financial Markets Project</b>   <i>Tunis Business School</i>	Sept 2023 - Dec 2023
<ul style="list-style-type: none"><li>Conducted trades on the Tunisian Stock Exchange using real-time data and R-based technical analysis</li><li>Analyzed TSE sectors and optimized portfolio allocations based on risk-return metrics</li></ul>	

## TECHNICAL SKILLS

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**Data Analysis:** R, Python, Machine Learning, Econometrics, Time Series Analysis, Quantitative Analysis

**Finance:** Financial Statement Analysis, Valuation Techniques, Portfolio Optimization, Risk Management

**Markets:** Capital Markets, Derivatives, Securities Pricing and Trading

**Languages:** Arabic, English, French

## STUDENT ACTIVITIES

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**Human Resources Member**

Oct 2021 - May 2022

*She Starts Africa TBS*

- Collaborated on HR strategies supporting women entrepreneurs and organized training sessions