Soroush Khajeh Hagh Verdi

(+98)9126813489 | soroush.314@gmail.com

Summary

An accomplished financial leader and entrepreneur with a proven track record of driving innovation and excellence in the finance sector. With extensive experience in developing groundbreaking systems—such as tokenization platforms, proprietary trading solutions, and advanced fraud detection methodologies—I combine strategic business acumen with deep expertise in data science, machine learning, blockchain, and quantitative analysis. Holding a Ph.D. in Finance and certifications in artificial intelligence, I am passionate about transforming financial ecosystems and scaling innovative ventures by bridging strategic vision with cutting-edge technology and entrepreneurial ingenuity.

Skills

Programming: Python, MATLAB, R
Data Science Software: SPSS, Clementine (IBM SPSS modeler)
Statistical Analysis & Econometrics: EVIEWS, S+
Data Visualization: Oracle BI, Microsoft Power BI
Database: SQL, Access
Languages: **Persian**: Native, **English**: Professional working proficiency

Work experience

Vice President of Business Development

Charisma Financial Group – Tehran (2023-Now)

- Spearheaded tokenization initiatives within the Iranian capital market sandbox, promoting innovation in asset digitization
- Designed and implemented a negotiated market for efficient and transparent currency transfers
- Launched the first prop (proprietary) trading platform in the Iranian stock market
- Established and managed a cryptocurrency brokerage, driving market entry into digital asset trading

Member of board

Fadak Wealth Management – Tehran (2023-Now)
Radin Bourse – Tehran (2023-Now)

Vice President of Market Operation & Surveillance

Iran Fara Bourse – Tehran (2017-2023)

- Developed and maintained a knowledge management system, improving operational transparency
- Introduced advanced data analytics tools to identify market anomalies and enhance surveillance accuracy
- Streamlined operational processes, reducing procedural steps by 40% through Python-based surveillance modules
- Designed an in-house risk monitoring system in Oracle BI, delivering over 15 real-time and historical reports
- Utilized artificial neural networks to detect and address anomalies in the knowledge management system
- Providing training and awareness programs for surveillance team members
- Implementing trading engine technology in the currency market
- Implemented a risk-based fraud detection methodology, reducing false positives by 35%
- Enhanced regulatory frameworks for market-making, online trading, price discovery, IPOs, and SME markets
- Divided the bond market into Odd Lot and Round Lot sections, increasing trade volume by over 25%
- Optimized market microstructure parameters, including lot size, tick size, price thresholds, and trading hours

Market Surveillance executive

Iran Fara Bourse – Tehran (2015-2017)

- Created over 300 customized reports using Oracle BI and Power BI to support decision-making
- Developed 80+ surveillance alerts based on SMARTS alert catalogs to detect irregularities
- Automated financial crime reporting processes, saving over 40% of the time required for fraud detection
- Applied clustering methods to identify and detect fraudulent activities in IPOs
- Proposed and implemented a revised IPO methodology to enhance the price discovery process
- Conducted detailed behavioral analysis reports to improve financial literacy among market participants

IT Business Analyst

Arzesh Pardaz Aryan – Tehran (2014-2015)

- Ensured ICT solutions complied with all standards, regulatory, and policy requirements
- Designed business continuity and disaster recovery plans to support ICT-developed products
- Documented business requirements and change requests, aligning stakeholder needs with technical solutions

Educations

PhD. in Finance

University of Tehran | 2015 – 2022 | GPA: 18.14/20

Thesis: Price prediction based on social media sentiment analysis in the stock market.

M.Sc. in Finance

University of Tehran | 2013 – 2015 | GPA: 18.33/20

Thesis: Improving the KMV model for evaluating credit risk in private firms.

B.Sc. Business Management

University of Tehran | 2009 – 2013 | GPA: 19.12/20

Certificates

- Unsupervised Learning, Recommenders, Reinforcement Learning- Stanford online. DeepLearning.AI 2023 (Coursera)
- Advanced Learning Algorithms- Stanford online. DeepLearning.AI 2022 (Coursera)
- Supervised Machine Learning: Regression and Classification- Stanford online. DeepLearning.AI 2022 (Coursera)
- Data Visualization for Data Analysis and Analytics- LinkedIn 2022
- Artificial Intelligence Foundations: Machine Learning- LinkedIn 2022
- Data Visualization: Storytelling- LinkedIn 2022
- Data mining using clementine- Zirsakht Electronic Hooshmand 2016

Publication

Journal of Securities Exchange

Stock price forecasting with sentimental analysis of social media data. Feb 2022.

Financial Engineering and Securities Management

Value at Risk Measurement for a gold and stock market index portfolio; comparing GARCH and MGARCH. Oct 2015.

Conferences

- Modelling constant and contagion risk-return between stock index and oil-related industries: a combination of ARMA and MGARCH, **Istanbul, Dec 2014.**
- Human capital and stock return relation in Tehran stock exchange, **Mazandaran, May 2014.**
- Modelling Volatility contagion of precious metals with VAR and MGARCH, **Shiraz, Feb 2014.**

Teaching Experience

University Of Tehran

Excel for Finance

Artificial Neural Networks with MATLAB

Kharazmi University

Financial management

Security and exchange organization

Market microstructure

Fraud detection techniques

Teacher Assistant University of Tehran

Operational Research

Mathematics

Financial management

Financial information system

Investment