Amir Seyvani Asl

Email: amir.seyvani@gmail.com
Phone: (+98) 914-857-9474

EDUCATION

Allame Tabataba'i University — Tehran, Iran
Master of Business Administration (MBA) - Techonolgy Management, GPA: (18.1/20.0) — 2018–Current

- Being surrounded by so many intelligent and ambitious individuals helped me to redefine my vision for life. I developed a special interest in Data Science, not surprising because of my Computer Science background and lots of data-related projects, and learned different applications of Data in Finance and Technology Forecasting.

Sharif University of Technology — Tehran, Iran
B.Sc. Computer Science, Department of Matemathical Sciences, GPA: 14.9/20 — 2011–2017

- B.Sc program at Sharif University had hit a major milestone in my entire life, experiencing varied subjects from Mathematical courses (Linear Algebra, Probability, and Statistics), which helped me to get a deeper knowledge in understanding patterns and algorithms, and AI & Data Science courses (Data Analysis, Data Structure, Design of Algorithms, Computer Vision and Image Processing) to Management & Business courses (Fundamentals of Entrepreneurship, Technology Management, Principles of Economics and Project Management) made whoever I am today as a data enthusiast.

Allame Helli High School — Khoy, Iran
Pre-University and High School Diploma in Mathematics Physics, GPA: 19.44/20 — 2007–2011

- Affiliated with the National Organization for Development of Exceptional Talents (NODET)

INTRESTS

- **Data Science**
- **Business Data Analysis**
- **Data-Driven Decision Making**

WORK EXPERIENCES

CRM Data Analyst — Mar 2021–Current

- Translate business needs to technical specifications, Design, build and deploy BI solutions, Evaluate and improve existing BI systems.

Business Data Analyst Agah — Aug 2019–Feb 2021

- Agah is one of the greatest financial institutions in Iran. Our "Analytics and Screening" team designs Data-Driven products and I, as part of the team, develop optimal algorithms for financial products, which significantly improves portfolio managers' performance, by collecting raw data, applying ML, NLP and data analytics techniques to find anomalies, predict market indices, uncover patterns, using creative visualization methods, and extract valuable insights from it.

Business Analyst Intern at Moshaveran Saham Brokerage — Feb 2019–May 2019
Course Internship

Co-Founder of Arash Pars Sharif — Jul 2017–Aug 2018

- Providng information technology (IT) tools that businesses use for efficient production operations and back-office support.

Selected Projects

- **Market Indices Prediction**
  For predicting market indices, I developed both news-based and technical-based methods. In news-based prediction part, first I collected almost 200,000 news documents from news websites and telegram channels, cleaned it, and then applied LDA topic modelling algorithm and classification methods on it. For technical-based part, calculated almost 50 technical indicators and selected the most important features to predict.

- **Short-Term Price Prediction by Limit Order Books**
  Implementing Order imbalance and creating features based on order books and using feature reduction methods for design short-term trade algorithm, also developing visualization methods for order flows

- **Financial Anomaly Detection Algorithms**
  Research on Anomaly Detection algorithms to find outlier data in financial data streams using deviation-based methods and clustering.

- **AI Healthcare Techology Forcasting**
  With using both bibliometric methods and LDA topic modelling algorithm (NLP) on almost 20,000 papers and patent documents in this field, we detected promising subjects in AI Healthcare field.

- **System Dynamics and Agent-Based Simulation**
  Implementing System Dynamics Simulation and Agent-Based Simulation of delivery systems in VenSim and NetLogo (Simulation course project)

- **Implementing Planet Algorithm**
  Implementing of Planet Algorithm, which detects the best locations for departments to find minimum cost (Locating facilities, Industrial Engineering course) (Java)

Computer Skills

- **Python** (Native) Familiar with NumPy, SciPy, Scikit-learn, Matplotlib, Plotly packages
- **R**, **C#**, **Java** (Fluent)
- **C, C++**, **MATLAB** (Intermediate)
- **Database Programming**: **MSSQL** (Intermediate)
- **Simulation Softwares**: **NetLogo**, **VenSim** (Native)

Certifications

Machine Learning
Stanford University, Coursera

Data Scientist with Python
DataCamp

Data Analyst with SQL Server
DataCamp

Selected Courses

- **Financial Management**, **Forcasting Technology**, Economics, Stragety of Technology, Strategic Management, Accounting for Managers, Organizational Behavior

- **Data Analysis**, **Data Structure**, **Design of Algorithms**, Image Processing, Computer Vision, Linear Algebra, Statistics, Probablity, Graph Theory, Introduction & Advanced Programming (Java), Simulation, Computer Architecture, Logic Design, Information Storage and Retrieval, Computer Networks

Teaching Experiences

Computer Networks Teaching Assistant   Fall 2014
Sharif University of Technology, Dr. Hamidreza Mahyar

Operating Systems Teaching Assistant   Fall 2015
Sharif University of Technology, Dr. Hamidreza Mahyar

Languages

- **Persian** Native
- **English** Fluent
- **Turkish** Mother Tongue