

AlphaBlock™

THE INTELLIGENT WEB

2019





Founder Profile

20 Years capital market experience across regions, assets and instruments.

Top ranked author on SSRN, world's largest research repository.

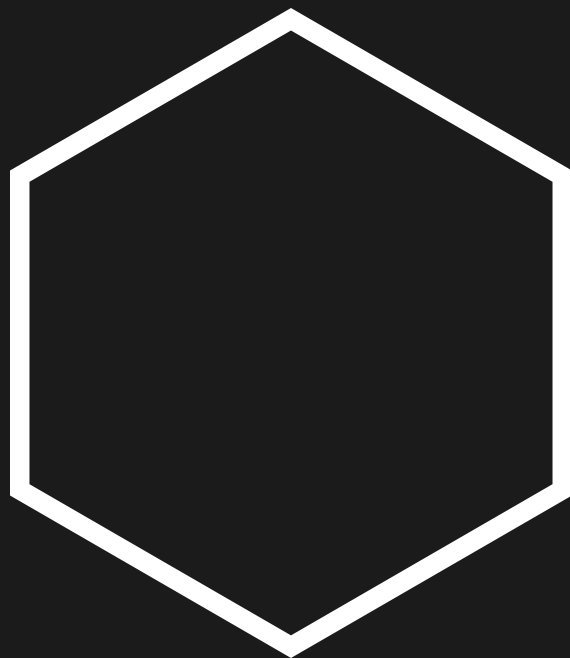
3 published patents and MIT Fintech award 2016.

Top Institutions Consulted; Raiffeisen, Societe Generale, Thomson Reuters, Bombay Stock Exchange.

As India's first equity derivatives analyst starting 9 June 2000, I had the opportunity to head derivatives training for BSE, trained Morgan Stanley and other institutions, published an e-book on Options and lead derivatives research in India for institutions like Refco and other top Indian financial institutions.

Invited to speak at Princeton University, University of Chicago, University of Waterloo, Ted, Startup Grind etc. and a featured columnist for global publications like Business Week and others.

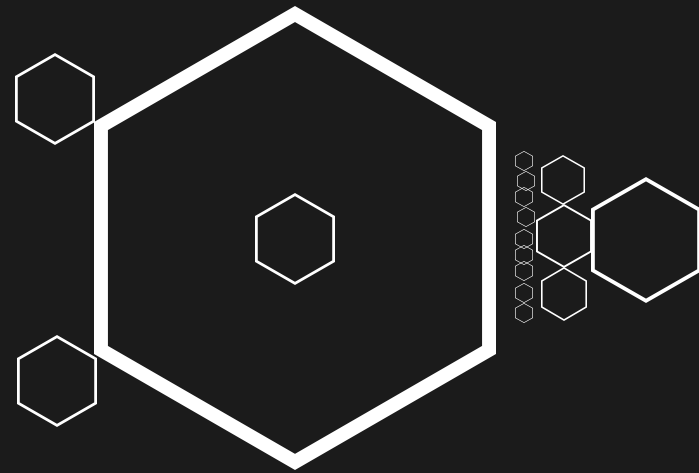




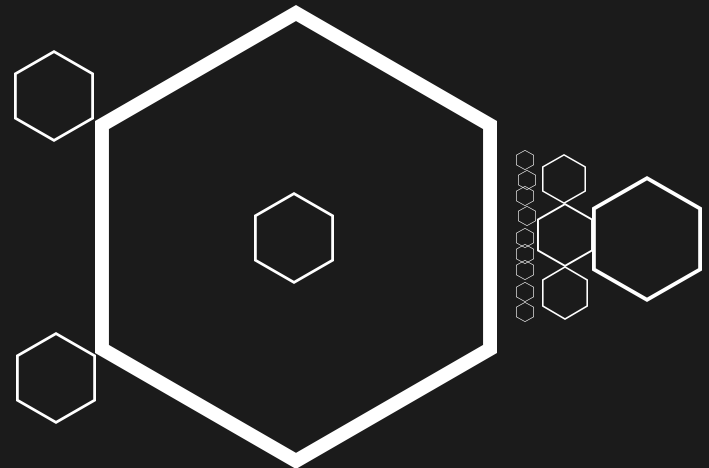
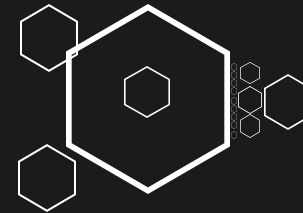
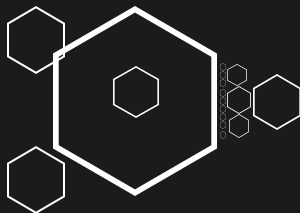
We have developed a
General AI Engine..



..which takes any structured and unstructured data, processes it and anticipates the future behavior of the data set. Such a unique insight allows data generating businesses to not only manage imminent risk but also capitalize on future opportunities.



This capability is data and domain agnostic and works across the financial sector which is fragmented into assets, regions, preferences and styles. The General AI has also been applied to non financial domains like advertising, cyber security, weather etc.



Milestones Achieved

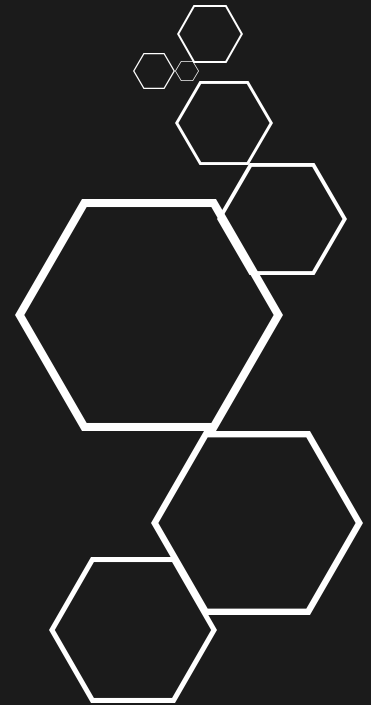
The financial algorithm derived from this framework was validated by Nasdaq, listed as a fully automated portfolio (symbol: RMIVG20) and delivered 84% absolute returns starting Jan 2015. The model beat the reference benchmark (Symbol: NQUSB) by 35% over the respective period.

Current Revenue: \$ 0.2 million.

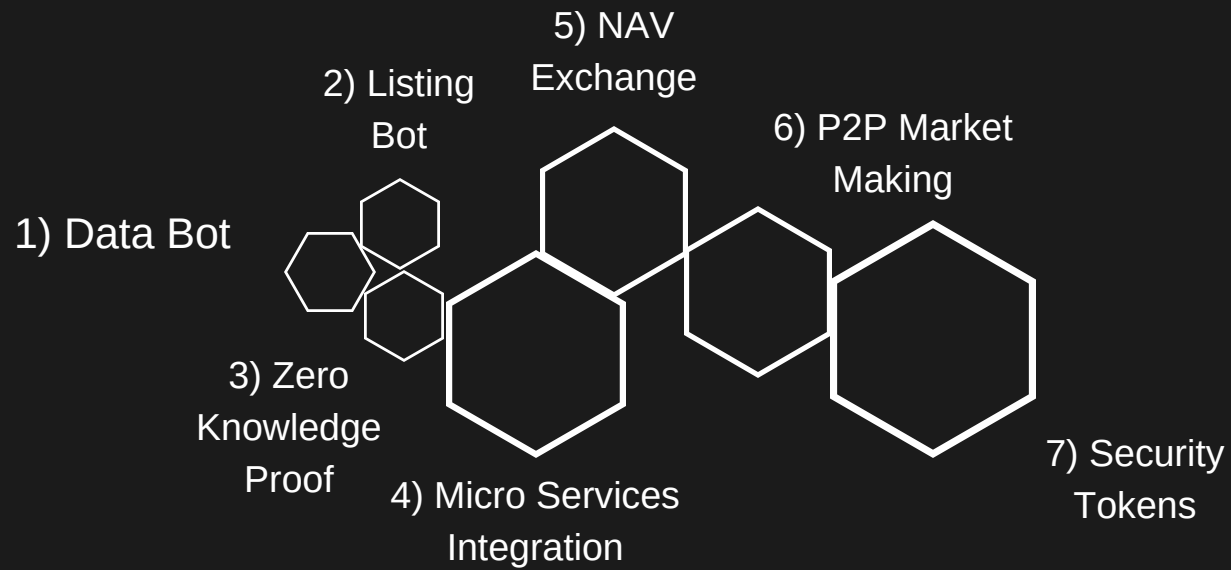
A global technology platform delivering solutions across five countries; U.S., Canada, India, Israel, Sweden.

More significant coefficients using Nobel Prize winning Fama & French data. Tested process across global equity market including Japan, which has proved to be an outlier for financial models.

MIT Fintech Award 2016. Three time invitation to speak at the Princeton - UChicago Quant Conference.

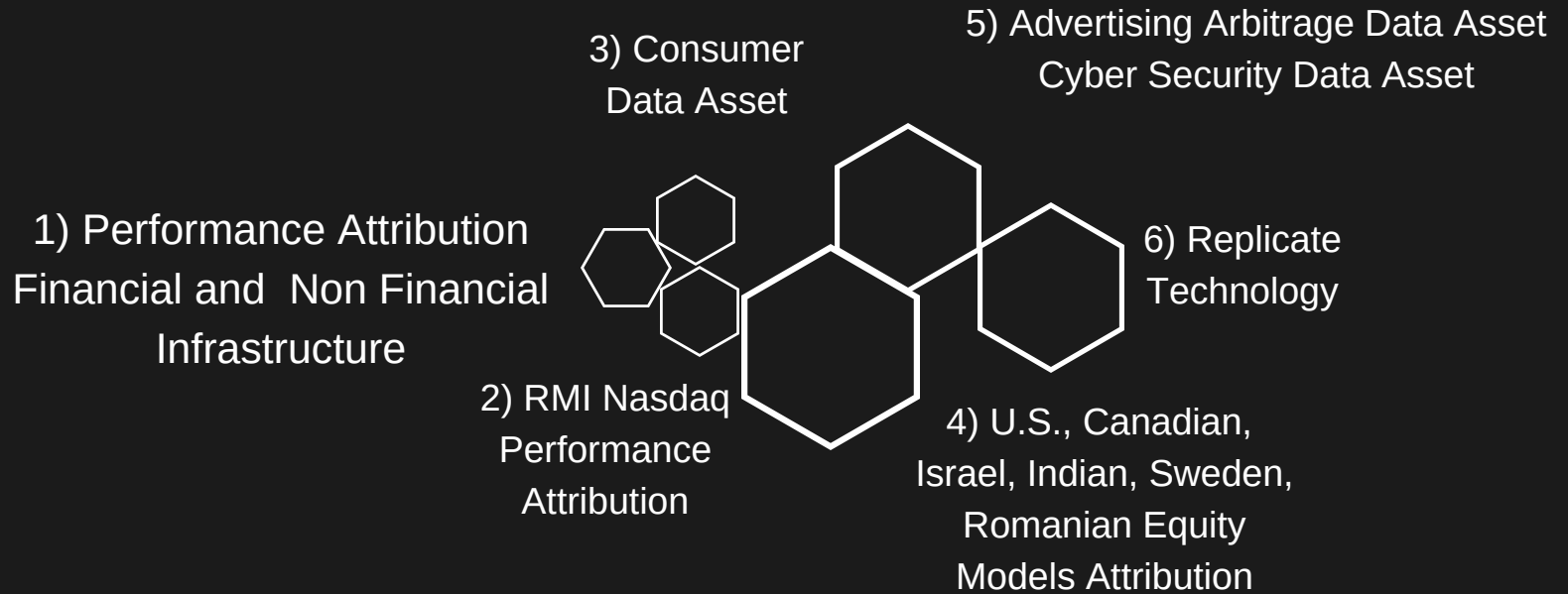


Roadmap 12 Months Blockchain



Roadmap 12 Months

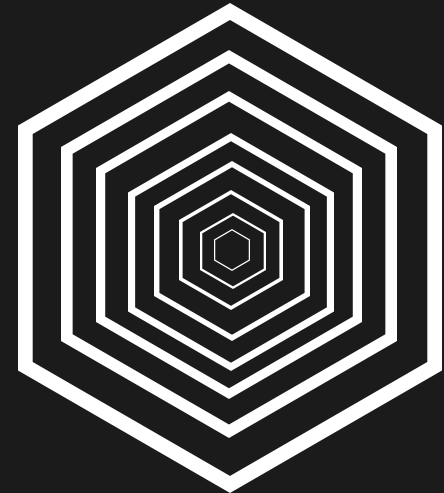
Domains Listing



The General AI Process

It's an algorithmic framework that is designed as a non linear probabilistic system. It is this non-linear architecture which allows the framework to address - 1) data sensitivity i.e. not letting small changes in data to give totally different outcomes; 2) create probabilistic generalizations for any data set; 3) replace variable weights with variable probabilities.

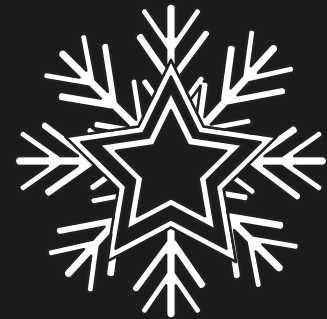
Hence paving a better way to seek global minima or maxima in natural systems which are chaotic and hard to predict. At the heart of our process is the enhanced mathematics of complex network called 'preferential attachment'.



Blockchain

Blockchain cannot scale because it suffers from a man made network which is a 'Directed Acyclic Graph', a linear network. Because our General AI process is non-linear, a robust statistical law and at the heart of complex networks, we have a solution to the scaling problem.

Our solution is to embed our general alpha algorithm inside a smart contract to transform any data into a data asset, which offers alpha (intelligence) solutions like a financial portfolio to anyone who seeks to consume intelligence or seeks to invest in intelligence assets. AlphaBlock also allows alpha generators like AlphaBots to validate, enhance, compete and distribute its license in a secure environment. AlphaBlock also resolves the stable currencies challenge of blockchain.



Performance Attribution

Statistical return attribution process

Essential checklist for asset raise

Offered by exchanges and service providers as third party services

Involves calculation and listing services

Expensive service costing up to \$ 35 K per model per year

Moreover services offered are not secure and scalable

Blockchain offers secure and scalable alternative

...owing to zero knowledge tools in a trust-less environment

Performance attribution is a key AlphaBlock service

It allows AlphaBots to scale models for global distribution

It allows to build attribution tools across assets, regions, styles and domains

The inexpensive service can be used by other alpha generators.



Founder & CEO

Mukul is from the MIT FinTech Class ('16). He has an MSc. Econometrics and Applied Statistics from UBB Romania and MBA Finance from the Institute of Chartered Financial Analysts of India (ICFAI) Business School. He is a Chartered Market Technician (CMT) from the Market Technicians Association, New York. Mukul started his career as a lecturer of Finance and Economics at Institute for Management Development, India ('99). He continued to work in the derivatives domain working for top Institutions like Bombay Stock Exchange before starting Orpheus in 2005. Mukul is a ranked author on the Social Science Research Network and has several filed patents on data innovation. He has been invited to speak at Bombay Stock Exchange, Market Technicians Association, Thomson Reuters Conferences, TED, Princeton University, University of Chicago, University of Waterloo, Startupgrind and other.



Mukul Pal



Head of Expansion

Andrei Nagy has been responsible in IBM for managing strategic relationships with key enterprise accounts and most recently directly involved in customer engagements on IBM's cognitive initiatives. His 10 years experience, both internationally and on the local Romanian market, today provides customers additional insights on trends and how to apply the new age of cognitive computing to their business and governmental requirements.



Andrei Nagy



Head of North American Sales

We are proud to announce that Mike De Melo has joined AlphaBlock as the Head of North America Sales. At a very young age, Mike was curious about technology and stock markets across the globe. From building computers in the late 1980's to helping investors navigate stock market turbulence at Merrill Lynch in the late 1990's. Mike developed a deep understanding of both the technology and financial industries. In his last assignment, Mike was a regional Vice President for Invesco Canada and polished his communication skills during the thousands of interactions he had with advisors and investors. With his energy and passion, Mike will be spearheading the business development for AlphaBlock in North America. He will be inspiring and motivating our clients to use Artificial Intelligence and the Blockchain innovation to improve investor returns.



Mike De Melo



Technical lead

Florina has more than a decade of experience in managing technology teams for financial services companies. In her last project she was managing the credit, debit, POS management systems for one of the largest private banks in Central and Eastern Europe. In her current role at AlphaBlock she is the technical lead, maintaining and developing with a team of developers the Tralio global portfolio management system which is a .net platform with SQL and Mongo databases. Tralio is used by asset managers globally and is the backbone for micro-services used in the AlphaBlock tech tokenized blockchain environment.



Florina Pal



AlphaBlock, a Toronto based General Artificial Intelligence (AI) company building investment management solutions for pension funds, family offices, hedge funds has received an undisclosed investment from Real Ventures which is a Canadian early-stage venture capital firm at a valuation of \$ 15 million. AlphaBlock has a listed solution on Nasdaq and will be using the investment to enhance its product line for both bullish or bearish market scenarios for global markets. The company currently operates in India, Canada, U.S.A and Europe.

<https://www.crunchbase.com/organization/alphablock#section-overview>



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