Manoj Veluchuri

Masters in Data Science, passionate about data, solid scientific programming and team leadership skills. Proven track record aligning technical solutions with business needs. Adept at cultivating relationships with key stakeholders, executives, and business users across all business areas to determine high-level requirements; accurately distill information for technical teams.

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Hyderabad/ TL/ India

16+ years of Professional Experience

Vice President (JPMORGANCHASE)	May 2016 to Till Date
Lead Business Analyst (NOMURA)	Feb 2014 to May 2016
Systems Analyst (SMARTSTREAM)	Dec 2012 to Nov 2013
Business Analyst (NOMURA)	Apr 2008 to Dec 2012
Programmer Analyst (SYNTEL)	Dec 2005 to Apr 2008

Education

M.Tech	Data Science & Engineering	BITS Pilani (2018 - 2020)
B.Tech	Computer Science & Engineering	JNTU (2001 - 2005)

Certifications

Certificate in Quantitative Finance	CQF Institute
Project Management	IIT Delhi
NCFM Securities Market	NSE India
NCFM Derivatives Market	NSE India

Literary Work

Stock price prediction using Sentiment Analysis augmented with Technical Analysis – Thesis & Software

Pricing Interest Rate Derivatives using Heath-Jarrow Merton Model – Thesis & Software

Pricing Hedged Exotic using Uncertain Volatility – Thesis & Software

Technical paper on Neural Networks and Fuzzy Logic in a National Level Technical Symposium.

Skills

Full Stack, Java, J2EE, JavaScript, Spring, Hibernate, log4j, Shell Scripting.

Angular, NodeJS, Rest API, Micro services, Spring Boot, Apache Kafka, HTML/CSS, Bootstrap.

PL/SQL, Oracle, Mongo DB, Compass.

Visio, Git, Bitbucket, Maven, JIRA, cucumber, Unix, Pivotal Cloud, Amazon Web Services (AWS), Linux, PSI/VSI,

Business Analysis, Good written and verbal communication, Resource planning.

TDD, SDLC, DevOps, CI/CD, Scrum, Agile.

Data Science, Statistics, Regression, Classification, Clustering.

Supervised & unsupervised learning.

Association & recommendation, Information research, sentiment analysis.

Python, pandas, NumPy, scikit, keras, TensorFlow

Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP),

Neural Networks (ANN, RNN, CNN, GAN)

Reference Data (Pre and Post Trade), Capital Markets, Trade Life Cycle.

Equities, Fixed Income, Derivatives, Indices, Client on-boarding, Credit Ratings - Moody’s, S&P, Fitch, Legal Entity Identifier (LEI).

Data Aggregation - AVOX, Bloomberg, Reuters, Exchange data, OTC data.

Quantitative Finance, Derivatives pricing, Stochastic calculus, Monte Carlo simulations, Black-Scholes, HJM, Predictive Modeling.