

## **PERSONAL PROFILE**

A GRADUATE STUDENT PASSIONATE ABOUT REAL-WORLD PROBLEM-SOLVING AND ADVANCING IN CAREER AS A QUANTITATIVE TRADER OR RESEARCHER IN ASSET MANAGEMENT, HIGH-FREQUENCY TRADING, OR QUANT FUNDS. WITH EXPERIENCE MANAGING \$183,000 FOR THE UNIVERSITY, I AIM TO LEVERAGE MY EXPERTISE TO BECOME A QUANT.

## **TECHNICAL SKILLS**

- C++, JAVA & PYTHON PROGRAMMING
- OBJECT ORIENTED PROGRAMMING
- DATA STRUCTURES & ALGORITHMS
- MYSQL & DBMS
- MACHINE LEARNING
- MS-EXCEL FOR MODELLING
- STOCHASTIC PROCESSES
- STATISTICS AND PROBABILITY
- STRATEGY BACKTESTING AND FRONT
- TESTING USING PYTHON
- TIME-SERIES ANALYSIS
- OPTIONS AND FUTURES
- OPTIONS STRATEGIES
- OPTIONS GREEKS AND BALANCING
- OPTION PRICING USING
- MATHEMATICAL MODELS
- DYNAMIC HEDGING
- CROSS CURRENCY MODEL
- MARKET MAKING MODELS
- GAME THEORY AND DECISION MAKING
- MODELS
- MULTIVARIATE CALCULUS
- LINEAR ALGEBRA
- EQUITY VALUATIONS
- PORTFOLIO THEORY
- RISK MANAGEMENT(11-PROVEN
- ALGORITHMIC STRATEGIES)
- MATHEMATICS FOR MACHINE
- LEARNING
- STOCHASTIC INTEREST RATE
- MODELING
- CREDIT RISK MODELING

## **PROFESSIONAL EXPERIENCE**

### **A: COGNIZANT TECHNOLOGY SOLUTIONS (2021 - 2022)**

- LEARNED PROBLEM-SOLVING SKILLS THROUGH CODE OPTIMISATION
- PART OF THE DEVELOPMENT TEAM AND DEBUGGED SOFTWARE SOLUTIONS. DESIGNED AND IMPLEMENTED ROBUST MYSQL DATABASE
- COLLABORATED WITH CLIENTS TO GATHER REQUIREMENTS AND PROVIDED EFFICIENT SOLUTIONS

## **EDUCATION**

### **A: UNIVERSITY OF WISCONSIN-MILWAUKEE (2023 - 2025)**

- MS in COMPUTER SCIENCE WITH ELECTIVES IN FINANCE
- CUMULATIVE GPA: 3.584/4.0
- COURSES TAKEN: MACHINE LEARNING, FUTURES AND OPTIONS, OPERATING SYSTEM, OOP IN JAVA, DATA STRUCTURES, ALGORITHM DESIGN
- AND ANALYSIS, INVESTMENTS, PROGRAMMING, COMPUTATIONAL MODEL OF DECISION MAKING, INVESTMENTS
- GOT ELECTED AS A BOARD MEMBER AND QUANT PORTFOLIO MANAGER AT STUDENT INVESTMENT CLUB AT UWM
- PRESENTED TOPICS LIKE ML IN TRADING, SELL PITCH FOR VARIOUS STOCK, OPTIONS TRADING USING GREEKS, DYNAMIC HEDGING WITH
- PYTHON CODE AND BACKTESTED RESULTS AND MANAGED PORTFOLIO WORTH \$183,000
- FINAL SEMESTER PROJECT: DETECTING ARBITRAGE OPPORTUNITIES IN S&P 500 OPTIONS USING UNSUPERVISED DEEP LEARNING
- (<https://www.youtube.com/watch?v=ZE2fP-4xTdo>)
- GOT SELECTED IN TOP 30 TRADERS WITH GELBER GROUP TRADING COMPETITION 2025 AS AN ALGORITHMIC TRADER
- QUALIFIED FOR 3 ROUND OF ASSESSMENT WITH AKUNA CAPITAL AND COMPLETED OPTIONS 101 AND OPTIONS 201 COURSE.
- DESIGNATED AS INNOVATION INTERN AT LUBAR ENTREPRENEURSHIP CENTER AT UWM

### **B: HERITAGE INSTITUTE OF TECHNOLOGY (2017 - 2021)**

- B.TECH IN ELECTRONICS AND COMMUNICATION ENGINEERING
- CGPA: 3.33/4.0 (7.88/10)
- GOT SELECTED FOR AN ENTREPRENEURIAL FELLOWSHIP (ORGANIZED BY A SILICON VALLEY VC) AT NEW YORK UNIVERSITY IN NYC (2019). I WAS THE ONLY ONE FROM INDIA.
- DESIGNATED AS THE CO-ORDINATOR OF ENTREPRENEURSHIP CLUB AT HERITAGE. ORGANIZED VARIOUS BUSINESS EVENTS.
- PARTICIPATED IN FACEBOOK HACKER CUP AND GOOGLE KICKSTART CODING COMPETITION
- COURSES TAKEN: CONTROL SYSTEMS, VLSI, GATE TECHNOLOGY INCLUDING FPGA TECHNOLOGY, DISCRETE MATHEMATICS, LOGICS, SIGNAL PROCESSING, SOLID STATE DEVICES, ANALOG AND DIGITAL SYSTEMS.

## **OTHER ACTIVITIES**

- STATE TOPPER IN INTERNATIONAL MATHEMATICS OLYMPIAD AND NATIONAL CYBER OLYMPIAD - JAN 2015
- ALL INDIA TALENT SEARCH EXAMINATION - STATE TOPPER AND ALL INDIA RANK - 76
- MOOCS: OPTIONS PRICING USING MATHEMATICAL MODELS, MATHEMATICS FOR MACHINE LEARNING: LINEAR ALGEBRA AND MULTIVARIATE CALCULUS, DATA CAMP QUANT( PYTHON FUNDAMENTALS, STATISTICS FUNDAMENTALS AND TIME-SERIES WITH PYTHON), GEEKS FOR GEEKS: DATA STRUCTURES AND LOW LEVEL DESIGN.