Utkarsh Mangal

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EDUCATION:

Mahindra University, *Hyderabad*
BTech in Computational Mathematics   Expected Graduation: June 2026
                                                          CGPA: 8.03 *(first 5 semester)*

Jayshree Periwal High School, Jaipur
 12ᵗʰ Grade   April 2019 – June 2021
                                                          Percentage: 83.4%

 10ᵗʰ Grade   April 2017 – June 2019
                                                          Percentage: 92.6 %

INTERNSHIP:

Business Development Intern   June 2024 – July 2024
Bonanza Portfolio Ltd
Assisted in prepared simple Excel dashboards for internal reporting, market research.
Skills include problem solving, critical thinking and communication.

PROJECTS:

Value-at-Risk Computation Using Historical Data
  - Implemented and compared Historical VaR for a portfolio of equity assets.
  - Modelled extreme losses and assessed tail risk.
Stock Market Simulation (MCSE)
 - Designed a university-level synthetic trading event to mimic real-time equity markets.
 -Developed quantitative logic to simulate price movement, impact of news, and market sentiment.
 -Led modelling of participation and investor behaviour using discrete time-based models.

ACADEMIC ACHIEVEMENT:

Merit Scholarship - Mahindra University
• Awarded merit scholarship of Rs. 2,00,000 for the academic excellence in 2022-23& 2023-24 academic session

Competitive exams
• Cleared Jee Mains & Advanced 2022, NDA 2021& 2022 and CLAT 2021.

RELEVANT COURSEWORK AND SKILLS:

• **Computer Science:** DBMS, OS, Computer Networks, Introduction to Computing, DSA, Discrete Mathematical Structures, Design and Analysis of Algorithms, Computer Organization, Theory Of Computation

• **Mathematics:** Financial Mathematics, Stochastic processes, Probability and Statistics, Mathematical Modelling, Calculus, Linear Algebra, Graph Algorithms, Real analysis, Numerical Methods, Abstract Algebra, Functional analysis, , Number Theory & Cryptography, PDE, Mathematical Foundation For ML

• **Coding Languages:** Java, C, Python, LaTeX, HTML, CSS
• **Softwares:** Numpy, Pandas, Matplotlib, dplyr, ggplot2, tidyr, Excel, Word, PowerPoint
• **Soft Skills:** Social Media Marketing, Event Management, Finance

POSITION OF RESPONSIBILITIES (PORs):

• **Math Club | President** *(Aug 2024 – Present)*
  - Organized analytical events and competitions focused on market simulation like MCSE(first ever university level stock market simulation which included all the clubs of the university)
• **Aeon (Annual Technical Fest) | Organized first ever Technical fest of MU** *(April 2025)*
• **Aether-Airo (Annual Cultural-Sports Fest) | Finance & Social Media Team** *(Feb 2024 & Feb 2025)*
• **Student Placement Coordinator** *(April 2024 – Present)*