

## EDUCATION:

**Mahindra University, Hyderabad**

**BTech in Computational Mathematics**

Expected Graduation: June 2026  
**CGPA: 8.03** (first 5 semester)

**Jayshree Periwal High School, Jaipur**

**12<sup>th</sup> Grade**

April 2019 – June 2021  
**Percentage: 83.4%**

**10<sup>th</sup> 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** | Nov-Dec 2024

- Implemented and compared Historical VaR for a portfolio of equity assets.
- Modelled extreme losses and assessed tail risk.

**Stock Market Simulation (MCSE)** | Jan-Apr 2025

- 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.

**AI Chatbot for Relationship & Dating Advice** | June 2025

- Built and deployed a humorous, mode-based dating advice chatbot using open-source LLMs, Gradio, and Python.

## 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

## 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, Gradio, Ollama, Matplotlib, dplyr, ggplot2, tidy, 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)
- Managed the student led club consisting 20-25 odd members and held multiple university level events some with more than 300 members participating in them.

• **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)**