

Education

Birla Institute of Technology & Science

Master of Business Administration in Business Analytics

Relevant Coursework: Statistics & Basic Econometrics, Managerial Economics, Financial Statement Analysis & Reporting, Data Management & Warehousing

Pilani, India

Expected July 2025

Indian Institute of Science

Master of Science in Computational Biology

Relevant Coursework: Probability Models, Introduction to Scalable Systems, Parallel Programming, Entrepreneurship, Ethics & Societal Impact

Bengaluru, India

Aug 2019 – Jan 2023

Bangalore University

Bachelor of Science in Biological Sciences

Bengaluru, India

Aug 2016 – July 2019

Project & Research Experience

BITS-Pilani, Department of Management: [Women's Ice Hockey Performance Modeling and Strategic Insights Project](#)

- Executed multiple regression analysis to quantify the impact of key variables on average points scored in women's ice hockey.
- Simulated strategic enhancements, projecting a 20% increase in shots on goal and predicting the overall team point impact.
- Directed a collaborative team in data collection, analysis, and report generation, ensuring on-time delivery of key project milestones and enhancing overall efficiency and success.

Internshala: [Predictive Modeling for NYC Taxi Trip Duration](#)

- Applied impactful analysis techniques including KNN, Regularized Linear Regression, and Decision Trees. Leveraged lognormal distribution in duration identification, optimizing feature engineering for more robust models.
- Attained high predictive performance with KNN, achieving an R2 score of 0.63 post feature selection, demonstrating the effectiveness of the chosen analytical approach.

IISc, Redqueen Lab: [Computational Modeling & Analysis](#)

- Developed a complex individual-based model for bacterial behavior, showcasing analytical and modeling skills.
- Executed simulations, analyzed diverse data, and reduced analysis time using parallel workflows.
- Investigated bacterial coexistence, revealing insights applicable to diverse systems, aligning with analytics and finance roles.

IISc, Department of Computational & Data Sciences: [Parallel Meta-heuristic Optimization](#)

- Engineered a remarkable 40x acceleration in algorithm execution by implementing parallel GPU architecture, showcasing profound expertise in performance optimization and cutting-edge technology.
- Diagnosed GPU random number generators as a limiting factor for the achieved speedup, showcasing a keen analytical mindset in addressing computational challenges.

Leadership & Activities

- **Tech Geeks Club - Core Member:** Cultivated collaboration in tech, providing support on relevant issues, showcasing teamwork for analytical problem-solving. Contributed to tech-driven initiatives, fostering an environment for continuous learning.
- **Student Faculty Council - Core Member:** Identified and addressed productivity concerns, demonstrating problem-solving & leadership skills. Implemented effective communication channels to streamline information flow and enhance batch efficiency.

Achievements

- Presented Master's Thesis at a prestigious Annual Biology Meeting, showcasing advanced research and presentation skills.
- Secured All India Rank 24 out of 80,000 in CSIR-UGC NET, demonstrating academic excellence and subject proficiency.
- Attained All India Rank 64 out of 10,000 in JAM, underscoring a strong academic background.
- Secured 2nd place for exceptional seminar presentations, highlighting effective communication skills.

Extra Curriculars

- **Research Assistant at Center for Entrepreneurial Leadership (CEL):** Data Collection and literature review on the performance of accelerators and incubators within the Indian startup ecosystem, identifying key trends and insights.
- **Smart 3.0 Online Pitch Competition:** Led a global team in creating an EduTech business plan, highlighting strategic vision and innovation. Successfully pitched the plan, securing recognition for its potential impact on educational technology.
- **Mediator at Science Gallery Bengaluru:** Engaged visitors at SUBMERGE exhibition, managing 11 exhibits and conducting 4 demonstrations over the course of one month.

Technical Proficiency & Certifications

Technical: SQL, Python, R, Advanced Excel, Tableau

Language: English, Hindi, Malayalam, Kannada, Tamil

Certifications: Data Science Specialization - Internshala, Applied Analytics using Python and Tableau – KPMG, Machine Learning with Python – IBM, Cloud Technical Essentials – AWS