

Nithya Balachander

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EDUCATION

Indiana University, Kelley School of Business, Bloomington, IN

December 2026

Master of Science in Information Systems

- *Certificate in Business Foundations (Summer 2025)*: Coursework in strategy, finance, accounting, operations, marketing, and quantitative methods; earned GPA: 3.34

Indiana University, Kelley School of Business, Bloomington, IN

May 2025

Bachelor of Science in Business

Major: *Information Systems*, Minors: *Computer Science, Data Science*

- *Peer Tutor, Technology & Business Analytics*: Supported 30+ students in Excel (PowerPivot, Power Query, Monte Carlo simulations), adapting instruction to improve tool fluency and performance

ACADEMIC PROJECTS

- **Web System Prototype – Project Future (Spring 2025)**: Designed and implemented a web-based prototype using HTML/CSS, informed by stakeholder needs and UML case documents; built user-type-driven interface with a 4-person team to enhance functional clarity
- **Loan Approval Driver Analysis** (Fall 2024) In a 3-person team, used decision trees, k-NN, and K-means clustering in Python to identify key drivers of loan approvals and synthesize findings into data-driven recommendations
- **Airbnb Booking Prediction Model** (Spring 2024): Built predictive models in R to forecast Airbnb bookings using historical data; applied linear regression and regression trees to evaluate patterns in user behavior and attributes

LEADERSHIP

Sailing Club at Indiana University, Bloomington, IN

August 2021 – April 2025

President

- Managed regatta strategy and team selection across 19 competitions by evaluating skills and optimizing 6-person team configurations
- Increased weekly meeting attendance by 40% by leading planning and delivery of coach-led sessions on wind dynamics and race tactics and racing rules

Secretary

- Ensured adherence to administrative requirements by submitting club documents to Club Sports Federation
- Maintained monthly member rosters, providing an organized and up-to-date record of club members
- Facilitated travel logistics by submitting necessary documentation, ensuring compliance with CSF regulations

Racing Coach

- Presented topics on wind dynamics and racing tactics using PowerPoint to enhance sailors' racing knowledge
- Designed spreadsheet database for pairing sailors, resulting in 75% participation increase and camaraderie
- Provided one-on-one coaching in practical sailing knowledge in a water-based environment to boost members' understanding of topics covered in meetings and challenge personal abilities

115th Union Board at the Indiana Memorial Union, Bloomington, IN

February 2023 – January 2025

Culinary Arts Assistant Director

- Collaborated with committee director to plan and organize events, delegating tasks to members and program leads for smooth execution
- Corresponded with on-campus catering services to confirm seating layouts, food and beverage placements, and finalize service details for high-volume events

Culinary Arts Program Lead

- Led planning and execution of two semester-long events serving 600+ attendees, overseeing volunteer scheduling, venue prep, and guest coordination
- Partnered with faculty to schedule volunteer shifts, boosting event support coverage and creating space for informal student-faculty interaction

TECHNICAL

- *Data Analysis & Visualization*: Microsoft Excel, Tableau
- *Programming & Statistical Modeling*: Python, R, Java, Regression Analysis, k-NN, k-Means Clustering
- *Database & Web Technologies*: SQL, HTML/CSS

ADDITIONAL

Parkour | Snowboarding | Ping Pong | Piano | Hiking | Reading