

# **AKSHAY PUTHANMARI MURALI**

**Visiting Lecturer – CPCS, Kelley School of Business, Indiana University Bloomington**

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## **Professional Summary**

Results-driven educator, analyst, and developer with expertise in data analysis, business intelligence, and software development. Passionate about teaching and mentoring students while delivering impactful data solutions in fast-paced environments. Experienced in Agile methodologies, data visualization, and automation.

## **Education**

### **Master of Science in Computer Science**

[Luddy School of Informatics, Computing, and Engineering](#), Indiana University Bloomington, 2023

### **Bachelor of Technology in Computer Science and Engineering**

[SRM Institute of Science and Technology](#), 2020

## **Academic and Professional Positions**

### **Lecturer (Aug 2025 – Present)**

**Operations and Decision Technology, Kelley School of Business, Indiana University Bloomington** || Course Taught K303

- Instruct undergraduate and graduate courses in Business Analytics, quantitative methods, spreadsheet modeling, and MIS, across in-person and online formats.
- Design and deliver curriculum integrating data-driven decision-making, real-world case studies, and industry-relevant tools to build analytical and operational problem-solving skills.
- Mentor students through applied learning projects, collaborative exercises, and practical applications of analytics and operations concepts.

### **Visiting Lecturer (Aug 2024 – May 2025)**

**Communication, Professional & Computer Skills, Kelley School of Business, Indiana University Bloomington** || Course Taught K201

- Deliver engaging lectures and hands-on lab sessions for 100+ undergraduate students, integrating real-world business scenarios to teach data analysis, Excel, and MIS concepts.
- Design interactive learning materials, including case studies, visual aids, and technology-driven activities, to enhance student comprehension and engagement.

- Assess student progress through structured evaluations, providing actionable feedback to improve analytical skills and practical application of data-driven decision-making.

**Business Analyst/Developer (June 2023 – Aug 2024)**

**Kelley School of Business, Indiana University Bloomington**

- Developed accessible Tableau and Power BI reports by extracting data from SQL databases.
- Improved website accessibility by 30% using WCMS, HTML, CSS, JS, Velocity, IU Rivet styling.

**Business Analyst (Intern) (May 2022 – May 2023)**

**Kelley School of Business, Indiana University Bloomington**

- Created and monitored financial dashboards for upper management using Power BI.
- Designed customized websites using WCMS, Mach Form, and IU Rivet styling to meet client needs.

# **AKSHAY PUTHANMARI MURALI**

## **Student Supervisor (Aug 2021 – May 2022)**

### **IU Dining**

- Represented the dining management team in the absence of the general and/or assistant managers before customers to solve disputes which increased the overall rating of the restaurants.
- Assisted in coordinating the placement of student staff, solved conflicts and improved work environment.

## **Automation Test Engineer Intern (Aug 2020 – Feb 2021)**

### **Gilbarco Veeder Root**

- Automated POS sites using Python libraries such as pytest and selenium frameworks, reducing manhours Testing.
- Worked in an Agile Environment and effectively communicated to bridge the gap between US and Indian Team

## **CONTENT WRITER AND ROBOTICS TEACHING INTERN (Jan 2020 – May 2020)**

### **EDJOY EDUCATION LLP**

- Designed and Created Course Materials on Scratch and Python Programming for high school students.
- Coached and Mentored High School and College Students Python, IoT and Robotics , Analyzing and projected the learning outcomes of topics.

### **Courses Taught**

#### **BUS-K201 (Lab): Computers in Business**

- Rigorous introduction to data management, information technology, and information systems.

### **Service in Support of Teaching**

**Faculty Field Marshall IU Undergraduate Graduation (Spring 2025):** Participated in IU's Undergraduate Graduation ceremony as a Field Marshall.

**Judge for Prompt-A-Thon (Spring 2025):** Judged and evaluated close to 84 Teams work in a flagship Kelley's Prompt-A-Thon Case Competition

**Technical Support for Alternate Exams (Spring 2025):** Worked after hours to conduct and support Alternate Exams.

**Technical Support for Alternate Exams (Fall 2024):** Worked after hours to conduct and support Alternate Exams.

**Academic Misconduct Committee (Fall 2024):** Chaired and Co-Chaired for 6 + Academic Misconduct Committee in K201 and helped in Investigation.

**Aldi Case Competition Finale Tech Support (Fall 2024):** Assisted and managed IT on Aldi Case Competition held on Fall 2024.

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## Skills & Abilities

**Programming:** Programming: Python, NumPy, MatPlot, Pandas, Clustering Algorithms, Web Development (HTML, CSS, Bootstrap and PHP), PowerBi, SQL (Postgres , Microsoft Sql), SSIS (SQL Server Integration Services), Tableau, JavaScript , Automation Testing , C#.

**Technical:** Jira, GitHub, Microsoft Office, Agile Environment, Data Analysis, Business Analytics, Data Visualization.

**Interpersonal:** Effective Communication, Leadership, Mentorship

## Projects & Publications

### Accident Prevention Using IoT-based Gas Detectors

- Developed Python code to interact with IoT devices (Raspberry Pi, MQ2 sensors, relays, and motors) to detect gas leakage , if detected , it terminates power supply and contacts the fire department and the owner. ( Published in Proceeding ICAARS 2018 )

### Automated Paid Parking using RFID TAG

<https://ieeexplore.ieee.org/document/9065837>

- Created and Developed python program to work with RFID tags and to customize parking Tickets by attaching to the vehicle and indicating the duration and also the availability of that spot.

### Android Based Proxy Prevention in Attendance with Social Media Report Generation

JNCET vol 8 issue-10. <https://www.jncet.org/Manuscripts/Volume-8/Issue-10/Vol-8-issue-10-M-05.pdf>

- Developed Android-based attendance system that prevents proxy attendance and integrates social media for efficient report generation.

## Certifications & Achievements

- Google Certified: The Fundamentals of digital marketing certification
- Internshala: Web Development
- [Coursera : Getting Started with google Kubernetes Engine](#)
- [Coursera : Introduction to Git and Github](#)
- [Coursera : What is Data Science](#)
- [Coursera : Data Science Methodology](#)
- [Coursera : Crash Course on Python](#)
- [Coursera : Tools for Data Science](#)