

AKSHAY PUTHANMARI MURALI

Lecturer – ODT, Kelley School of Business, Indiana University Bloomington

akputh@iu.edu • [akshay-murali.github.io](https://github.com/akshay-murali) • linkedin.com/in/akputh
• hackerrank.com/m_akshay1998

Professional Summary

Educator, analyst, and developer with a strong focus on integrating data analytics, business intelligence, and technology into higher education. Proven experience designing and delivering analytics-driven curricula, mentoring diverse student cohorts, and translating complex technical concepts into practical, real-world applications. Brings a practitioner's mindset to the classroom, with hands-on expertise in data visualization, automation, and Agile workflows to prepare students for modern data-centric organizations.

Education

Master of Science in Computer Science **2023**

Indiana University Bloomington, USA

Bachelor of Technology in Computer Science and Engineering **2020**

SRM Institute of Science and Technology, India

Academic and Professional Positions

Lecturer, ODT **Aug 2025 – Present**

Kelley School of Business, Indiana University Bloomington

- Delivered course content on Spreadsheet Modeling, Data Visualization, and Monte Carlo Simulation for 120+ undergraduate students, integrating real-world business scenarios to strengthen analytical reasoning and data-driven decision-making.
- Shadowed senior faculty and collaborated on course delivery, gaining hands-on experience in instructional planning, classroom facilitation, assessment practices, and student engagement strategies in a large-course environment.

Visiting Lecturer, CPCS **Aug 2024 – May 2025**

Kelley School of Business, Indiana University Bloomington

- Designed and delivered course content on Microsoft Access, Excel, and Power BI for 200+ students.
- Led, mentored, and coordinated a 20-member instructional team of teaching assistants and peer tutors, ensuring consistency in lab delivery, grading standards, and student support across sections.

AKSHAY PUTHANMARI MURALI

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.

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 significant manhours on testing.
- Worked within an Agile development environment, collaborating with cross-functional teams in the U.S. and India to ensure effective communication and delivery.

Content Writer & 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.

AKSHAY PUTHANMARI MURALI

Courses Taught

BUS-K303: Technology and Business Analytics

- Rigorous, hands-on introduction to business analytics, emphasizing data preparation, analysis, visualization, and deterministic and stochastic spreadsheet modeling using Excel to support managerial decision-making.

BUS-K201 (Lab): Computers in Business

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

Service in Support of Teaching

Judge for Hutton Case Competition (Fall 2025): Judged and evaluated teams participating in Hutton Honors Case Competition.

Wells Scholar Program Reviewer (Fall 2025): Reviewed and evaluated 20 upcoming Wells Scholar Program applicants.

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.

AKSHAY PUTHANMARI MURALI

Skills & Abilities

Programming: Programming: Python, NumPy, MatPlot, Pandas, Clustering Algorithms, Web Development (HTML, CSS, Bootstrap and PHP), Power BI, 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:](#)** Created and Developed python program to work with RFID tags and 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: 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](#)