

# KRITIKA GOYAL

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## WORK EXPERIENCE

### Kogod School of Business -American University

January 2024 - Present

*Teaching Assistant – Business Insights and Analytics*

- Manage Hyflex classes on Zoom, ensuring a seamless learning experience for students
- Conduct regular office hours to address student queries, clarify doubts, and provide guidance on course materials.

### Deloitte

July 2020 - August 2023

*Senior Analyst*

- Led change management initiatives and delivered major projects in the Digital and Analytics team
- Built complex HR Analytics reports; resolved technical issues affecting over 50,000 candidates
- Spearheaded HR transformation projects, automating offer release processes, and integrating a new vendor

*Analyst*

August 2020 - May 2023

- Initiated Digital and Analytics team projects, overseeing vendor integrations and reporting with a team of 4, later transitioning to a supervisory role.
- Contributed to the success and efficiency of a 6-month-long project focused on migrating to new software
- Revamped offer letters, optimized candidate workflows, and led impactful virtual events, fostering team productivity

### Accolades:

- **Outstanding Award:** Awarded for the Data Integrations Project
  - **Applause Award:** Received for exceptional knowledge in multiple HR systems
  - **Spot Award:** Earned for taking up additional responsibilities and displaying resilience
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## SAMPLE DATA SCIENCE PROJECTS

*Building a Python Flask ML Application*

- Led the development of a user-friendly Flask ML app for loan eligibility.
- Integrated MySQL databases for efficient data storage and analysis.

*Titanic Shipwreck Survival Analysis:*

- Implemented Machine Learning flow for experiment logging, ensuring transparency and reproducibility
- Developed and tracked improved classification models for predicting Titanic survival
- Conducted impactful EDA, showcasing strong data engineering skills

*Allocation of Public Investments within New York State:*

- Conducted in-depth OLS regression analysis to examine federal funding impact
  - Identified disparities in funding distribution, advocating for more equitable allocation
  - Presented a compelling case for social equity, emphasizing challenges faced by women and minorities
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## EDUCATION

### American University, Kogod School of Business

December 2024

*Master of Science in Analytics*

- GPA: 4.00
- Public relations officer at AU -ASA Club
- Founded the AU – Analytics club
- Achieved 3<sup>rd</sup> place in the Kogod Case Competition

### International Institute of Information Technology, India

November 2023

*Software Engineering for Data Science , Post Graduate Certification*

### Malla Reddy College of Engineering and Technology

May 2020

*Bachelor of Technology in Electronics and Communication*

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## SKILLS AND INTERESTS

**Programming:** Python, R, SQL, C++,C

**Software tools:** PyCharm, Jupyter Notebook, Tableau, MS Excel, Access, MongoDB, MySQL

**Machine Learning Algorithms:** Decision Trees, Random Forest, K-Means, PCA.

**Statistical Analysis:** Regression Analysis, Probability, Hypothesis Testing, Time Series Forecasting, Cluster Analysis.

**Interests:** Hiking, Cooking, Poetry, Event Management