

# Anushka Karki

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## EDUCATION

**Northern Kentucky University-** Highland Heights, KY

Bachelor of Computer Science | Minor: Mathematics

Anticipated Graduation: May 2026

## ACADEMIC EXPERIENCE

### Data and Advanced Analytics Intern

Kentucky Council on Postsecondary Education - Frankfort, KY

September 2025 - Present

- Conduct research and contribute to agency reports and publications using Python, SQL, and Excel to analyze higher education data.
- Communicate findings through dashboards, presentations, and written reports for stakeholders including the Governor's Office and state legislature.
- Support the Data and Advanced Analytics unit by leveraging statistical analysis and visualization tools to provide actionable insights on student outcomes and policy issues.

### Teaching Assistant – Database Programming

Northern Kentucky University- Highland Heights, KY

August 2024 - December 2024

- Assisted students in understanding SQL, relational databases, and ER modeling by answering questions and reviewing assignments during office hours.
- Supported course instruction by helping debug student queries and providing feedback on schema design and normalization techniques.
- Collaborated with the professor to test and troubleshoot MongoDB setups and other database tools for coursework.

### Student Research Assistant – Twitter Sentiment Analysis

Northern Kentucky University- Highland Heights, KY

May 2024 - July 2024

- Co-led research analyzing over 8 million tweets related to 32 U.S. universities to uncover trends in sentiment and discourse using Python, VADER, and BERT-based models.
- Cleaned and preprocessed large datasets; built heatmaps and coherence plots to visualize tweet volume spikes and sentiment changes.
- Co-authored a peer-reviewed paper accepted at CATA 2025 and presented findings with faculty to highlight applications for real-time public perception monitoring.

## CAMPUS LEADERSHIP & ENGAGEMENT

### Peer Exploration Coach

NKU Career Services – Highland Heights, KY

July 2025 - Present

- Support students in exploring majors and career paths by introducing career resources, helping them set academic and professional goals, and building confidence through individualized guidance.
- Collaborate with Career Services staff to improve outreach efforts and ensure students are aware of available programs and opportunities.

### College of Informatics Student Ambassador

Northern Kentucky University – Highland Heights, KY

January 2025 - Present

- Represent the college at admissions and outreach events by welcoming prospective students and families, sharing program information, and supporting faculty in fostering community engagement.
- Assist with planning and staffing events that promote the College of Informatics to prospective and current students.

## TECHNICAL SKILLS

- Proficient in Python (Pandas, NumPy, scikit-learn) for data cleaning, analysis, and automation.
- Skilled in writing and optimizing SQL queries and supporting database design, normalization, and maintenance.
- Experienced in using Excel, and Tableau to create clear data visualizations and reports.
- Applied NLP techniques such as sentiment analysis (VADER, BERT) and topic modeling (NMF, LDA) in research projects.