

Riya Kukreti

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Location: Bhauwala, Dehradun, Uttarakhand

Professional Experience

Assistant Professor

ICFAI University, Dehradun | August 2025- Present

Assistant Professor

Uttaranchal University | Feb 2024 – June 2025

- Deliver lectures, practical sessions, and academic guidance to students.
 - Mentor students in research projects, technical innovations, and career development.
 - Organize departmental workshops, seminars, and industry interaction programs.
 - Participate in academic administration, curriculum development, and university events.
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Education

Doctor of Philosophy (PHD) in Computer Science & Engineering

ICFAI University, Dehradun | Feb 2025-Pursuing

Master of Technology (M.Tech) in Computer Science & Engineering

Uttarakhand Technical University | 85% | 2021 - 2023

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Women Institute of Technology, Uttarakhand Technical University | 73% | 2016 - 2020

12th (CBSE)

Shivalik Academy, Dehradun | 68% | 2016

10th (CBSE)

SGRR, Vasant Vihar | 68% | 2014

Certifications

- Data Analyst- Udemy.
 - Certificate of Appreciation for Organizing FDP on “Mathematics in India: From Vedic Period to Modern Times”- Uttaranchal University, Uttaranchal Institute of Technology (2024)
 - Microsoft Power BI Data Analysis – ICT Academy
 - Certificate of Appreciation – Honeywell (2022)
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Technical Skills

- **Programming Languages:** Python, MySQL
 - **Data & Analytics Tools:** Microsoft Power BI, Microsoft Excel
 - **Software & Platforms:** PyCharm, Visual Studio Code, PostgreSQL
 - **Specializations:** Computer Networks, Software Engineering, DBMS, Operating Systems
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Projects

Microsoft Power BI Sales Data Analysis

- Conducted time-series analysis to identify daily, monthly, quarterly, and annual sales trends for strategic forecasting.
- Analyzed top and bottom-performing products by Sales, Profit, and Quantity Sold to optimize product strategy.
- Explored Sales vs. Profit relationships and assessed average discount impact across categories.
- Developed interactive dashboards with dynamic filters (Product, Date, Customer ID, Promotion Categories) for real-time insights.
- Visualized city-wise sales performance and compared KPIs across custom date ranges for regional performance tracking.

Microsoft Power BI UPI Transaction Data Analysis

- Performed comprehensive UPI transaction data analysis using Power BI, incorporating filters for Bank, City, Device Type, Gender, Age Group, and Transaction Type to enable multi-dimensional insights.
- Designed interactive dashboards with dynamic line and column charts to visualize monthly transaction balances and amounts, facilitating trend analysis and decision-making.
- Created city-wise matrix tables with conditional formatting to compare transaction amounts and remaining balances across Bangalore, Delhi, Hyderabad, and Mumbai over time.
- Developed customized slicers and drill-through filters to enhance dashboard interactivity and enable user-driven, granular transaction analysis by demographic and payment parameters.
- Utilized DAX calculations and Power BI visualizations to identify transactional peaks and patterns, assisting in forecasting and strategic financial reporting.

Faculty Development Program

- One-week Faculty Development Program on “Emerging Trends in Electronic Circuit Design, Signal Processing, and Communication by Department of Electronic and Communication Engineering, Koneru Lakshmaiah Education Foundation from 01 July 2024 to 06 July 2024.
 - One day All India IQAC Workshop 2024 by Uttaranchal University on 29 June 2024.
 - One-week Faculty Development Program on Mathematics in India: From Vedic Period to Modern Times by Uttaranchal Institute of Technology, Uttaranchal University from 07 June 2024 to 13 June 2024.
 - One-week Faculty Development Program on Creativity, Innovation & Design Thinking organized by Moradabad Institute of Technology from 29 May 2023 to 02 June 2023.
 - One-week Faculty Development Program on Futuristic Trends in Computer Science and Information Technology organized by Graphic Era Hill University from 16 May 2023 to 20 May 2023.
 - 5-Days Faculty Development Program on Microsoft Power BI Data Analyst Associate organized by ICT Academy from 15 September 2022 to 09 September 2022.
 - One-week Faculty Development Program on Amazon Web Services organized by Brain O Vision from 22 August 2022 to 27 August 2022.
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Workshop & Event Organized

- 6 Days ADD-ON Course on Cloud Computing using AWS at Tula's Institute Dhoolkot Dehradun from 15 June 2023 to 21 June 2023.
 - 2 Days National Level Hackathon Coding Competition at Tula's Institute Dhoolkot Dehradun.
 - 15-day workshop on Microsoft Power BI Data Analyst organized by ICT Academy csr initiated by Honeywell from 12th December 2022 to 28th December 2022. IEEE
 - Conference on Advances in Computing, Communication and Material 2022.
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Research & Publications

- **IEEE:** Fake News Detection System Using Supervised Binary Classification Techniques
 - **IEEE:** Analysis of Business using Seller Pathway - A CRM Platform
 - **IEEE:** A Comprehensive Review of Scheduling and Optimization Paradigms in Cloud Systems
 - **IEEE:** Utilization of Homomorphic Encryption (HE) for Maintaining Confidentiality of Data in Cloud Computing
 - **IEEE:** An Outline of Data Encryption Standard (DES) Tools and Its Facets within the Realm of Cloud Computing.
 - **Springer:** Automated Speed Control of Vehicles in Speed Limit Zones Using IR Sensors
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Leadership & Extracurricular Activities

- NAAC Criterion 6 Head – UIT Level
 - Class Mentor | Fee Mentor
 - Paper Setter
 - Departmental PR Member | Event Coordinator | Cultural Fest Committee Member
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Hobbies & Interests

- Industry Trends
 - Data Analysis & Visualization
 - Technology Exploration
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Declaration:

I hereby declare that the information furnished above is true and correct to the best of my knowledge.

Riya Kukreti

Place: Dehradun