

# GURKEERAT KAKAR

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## Work Experience

### Research Assistant

University of Alberta

09/2025 to 04/2026

Edmonton, Alberta

- Conducted analysis on large household survey datasets using RStudio & Stata to uncover socioeconomic patterns.
- Performed data modeling and spreadsheet analysis in MS Excel, documenting process and findings in MS Word.
- Developed interactive Tableau dashboards, communicating insights with visuals clearly to senior researchers.
- Assisted the professor with Canvas LMS setup for students, and supported exam invigilation, proctoring, and evaluation.

### Data/Business Analyst Intern

Skill-Up Technologies

02/2025 to 07/2025

Bellevue, Washington

- Automated BI reporting workflows using MySQL & Power BI to streamline data processing, reducing manual preparation time.
- Partnered with management to define company KPIs, identify data quality issues, and improve metric reliability.
- Analyzed engagement trends using visual analytics and user segmentation, contributing to a ~20% increase in user interaction, and improved course enrollments and completions.

## Education

### Bachelor of Science: Computing Science Specialization

University of Alberta

Expected in 04/2027

Edmonton, AB

- Relevant coursework in Data Science & ML essentials, Programming skills, applied statistical methods, AI systems and Ethics.
- Pursuing UAlberta's Certificates in Applied Data Science and Interdisciplinary Leadership.
- Enrolled in the Science Internship (Co-op) Program; available May 2026 for 4-16 months term.

### High School Diploma

Delhi Public School Noida

07/2022

Uttar Pradesh, India

- Graduated as a Scholar in Engineering Sciences.
- Actively participated in Interschool Debates, Dramatics, and Soccer Tournaments.

## Collaborated Projects

### Twitter-Like Social Media Platform

Python, SQL, CLI, DBMS

- Implemented and optimized SQL queries, Python supported testing and debugging, and coordinated development through GitHub documentation.

### JTI Business Analytics Dashboard

Tableau & Excel

- Data Quality checks, and modelling multitable datasets using Pandas and NumPy, for analysis and visualization in Tableau.
- Created interactive dashboards highlighting revenue trends, repair frequency, customer distribution, and employee performance.

### LuckySpot - Lottery Based Event Management App

Java, Firebase, Android Studio, GitHub CI

- Co-developed an Android event app, implementing features across multiple user stories to design, test, and refine functionality.
- Collaborated using Agile sprints, GitHub version control, and documented deliverables (test cases, CRC cards, and storyboards).

## Skills

**Programming:** Python, C, RStudio, SQL

**Statistical Analysis:** Exploratory Data Analysis (EDA), hypothesis testing

**Data Processing:** Data cleaning, transformation, and feature engineering

**Data Visualization:** Power BI, Tableau, Excel

**Data Management:** Relational database design, SQL querying

**Professional Strengths:** Analytical thinking, clear communication, collaborative problem solver

## Certifications

Hackerrank Python Skill Certification

GLA Data Visualization with Power BI & Tableau

DUCAT Core Python certification

TOEFL language certification - scored 104/120

## Leadership & Volunteering Roles

### Vice President Internal

International Student Association - University of Alberta | May 2024 - May 2025

- Revived the I-Card program to support affordability, restructured internal teams to improve collaboration, and proposed mental wellness workshops for international students.
- University of Alberta Students' Union Award recipient for Global Connection.

### Public Relations Associate

Network of Applied Technology (NAT) | Jan 2025 - Oct 2025

- Supported public relations efforts by engaging with policymakers and media partners, while strengthening outreach and stakeholder engagement.
- Assisted with drafting communications, preparing briefing materials, and coordinating outreach initiatives.