

Bhavjot Khurana

📍 Chicago, IL | 📩 bhavjotskhurana@gmail.com | 💬 LinkedIn | 🐾 Github | 🗂 Portfolio

EDUCATION

Reed College <i>Bachelor of Arts - Mathematics and Statistics</i> <i>Activities: International Student Board Coordinator</i>	Portland, Oregon May 2023
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WORK EXPERIENCE

Data Scientist <i>Yuno Learning</i>	Chicago, IL August 2023–August 2025
<ul style="list-style-type: none">Queried and reshaped tutoring cohort data in SQL to deliver weekly trend snapshots and actionable recommendations for curriculum leads.Authored experiment readouts for A/B tests on content cadence and deadline expectations, applying t-tests and Cohen's d across pre-, mid-, and post-course score distributions.Collaborated with the technical team on conversion-tracking dashboards, contributing data hygiene feedback and pinpointing where to capture signals from website visit through tutor match.	
Mathematics & Statistics Tutor <i>Pear Deck Tutor (GoGuardian)</i>	Remote October 2023–March 2025
<ul style="list-style-type: none">Delivered 600+ one-on-one math and statistics sessions for K-12 through college students, covering Algebra, Applied Math, Calculus, Probability, and Statistics.Designed Introductory Statistics and Probability courses for non-traditional learners, emphasizing hypothesis testing, conditional probability, and applied problem sets.Supported university statistics students with R-based code debugging, data preprocessing, and statistical analysis.	
Private Tutor <i>Freelance</i>	Chicago, IL May 2024–Present
<ul style="list-style-type: none">Coach 7 students weekly across K-7 Math, SAT Math, and AP Calculus/Physics, tailoring lesson plans to learning goals.Raised a student's SAT Math score from 580 to 730 in three months and guided an AP Calculus student to accelerate a grade level.Designed a 200+ question SAT Math bank reinforcing Algebra, Problem Solving, and other math concepts. Check it out at scotchegg.co ↗	

EDUCATION RESEARCH PORTFOLIO

Predicting Student Proficiency in Oregon Public Schools <i>Senior Thesis</i>	Portland, OR August 2022–May 2023
<ul style="list-style-type: none">Curated a 1,236-school ESSA dataset (10 proficiency bands per ethnicity/gender) with teacher FTE, experience, graduate FTE, participation, and poverty indicators.Built decision trees and tuned random forests in R using caret, randomForest, SMOTE, and 9-fold CV to predict ELA/Math proficiency cohorts, highlighting staffing metrics as top drivers.Delivered confusion-matrix and variable-importance readouts with >80% accuracy for most cohorts (multi-racial ~50%), outlining feature gaps for underperforming segments.	
Fact-Checking the College Scorecard ↗ <i>Research Assistant</i>	Portland, OR January 2022–May 2022
<ul style="list-style-type: none">Led data preprocessing and analysis in R, identifying a \$10,000 discrepancy between Reed alumni's earnings and College Scorecard figures.Designed models to predict Reed's true median earnings, revealing skewed valuations by the Scorecard.Presented findings to the Board of Trustees and provided alternative measures for college satisfaction.	

SKILLS

Languages & Tools: Python, R, SQL (MySQL/Postgres), Git, Tableau
Data Engineering: AWS Redshift analysis, Supabase (Postgres), PySpark (coursework), Docker/Kafka/BigQuery exposure via DataTalksClub Zoomcamp ↗
Analytics: Data cleaning, feature engineering, descriptive & inferential statistics, predictive modeling, KPI reporting
Workflow: VS Code, Jupyter, Pandas, NumPy, scikit-learn