MOHAR CHAUDHURI

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Data Scientist with 4+ years of experience driving revenue growth and customer success through experimentation, user behavior analysis, and data-driven insights. Expert in A/B testing, statistical analysis, and translating customer behavior patterns into actionable product recommendations that optimize business outcomes.

EXPERIENCE

Cisco Systems January 2026 – Present
Machine Learning and AI Intern *Austin, TX*

- Developing agentic AI recommendation system for Cisco Secure Access that autonomously learns from cross-customer deployment patterns and adapts policy configurations in real-time, integrating LLM-based interpretation module using RAG and prompt engineering to translate natural language security requirements into technical configurations with minimal human intervention
- Designing customer segmentation framework using collaborative filtering and clustering algorithms to identify similar organizational profiles, enabling policy recommendations based on industry vertical, deployment size, usage patterns, and security posture

World Bank Group January 2023 – June 2025
Data Scientist *Washington, D.C.*

- Led experimentation and impact analysis across 1,170+ user households to optimize intervention programs, conducting A/B tests using difference-in-differences methodology to measure key engagement metrics (OECs) including adoption lift (+20% consumption growth), behavioral change (+35% credit access), and user retention. Synthesized insights and data visualizations for senior cross-functional stakeholders to inform product strategy and revenue growth decisions.
- Built and maintained 12+ automated BI dashboards tracking customer lifecycle metrics and cohort performance across five markets, translating complex user behavior analysis into executive-ready insights presented in 20+ leadership briefings that directly informed product roadmap prioritization and resource allocation.
- Analyzed transportation and market-access networks across 500+ rural villages to identify routing bottlenecks reducing market efficiency by 20–35%, revealing barriers affecting 50K+ households and informing a $5M infrastructure investment strategy
- Designed and deployed automated ETL pipelines on AWS processing 10K+ user records and 2M+ behavioral data points monthly in production, implementing data quality protocols and monitoring dashboards that reduced reporting lag by 75% and enabled self-service analytics for distributed teams, improving decision velocity across product, operations, and marketing stakeholders.

INSEAD September 2022 – January 2023
Data Science Associate *Fontainebleau, France*

- Reduced manual data collection from 2 months to 4 days (by 96%) by building automated Python workflows with SQL-based data extraction (complex joins across 5+ tables, window functions for time-series analysis) and validation checks across 500+ financial variables from 1,200+ companies, increasing research output by 5x while maintaining 99%+ data accuracy
- Secured €200K in follow-on research funding by converting qualitative political research into quantitative insights through interactive Tableau dashboards mapping real-time search behavior and consumption patterns across 18 regions in France
- Analyzed technology adoption patterns across 10K+ global desalination facilities (1950-2015) using difference-in-differences methodology to quantify public vs. private sector sustainability trade-offs across 150+ countries, contributing geospatial analysis and data infrastructure to research published in Academy of Management Proceedings 2024

EDUCATION

The University of Texas at Austin – McCombs School of Business *May 2026*
Master of Science, Business Analytics

Toulouse School of Economics – Université Toulouse Capitole *August 2021*
Master's in Econometrics & Statistics

Awarded the Eiffel Excellence (€28,800) and Charpak AME Scholarship (€13,400) from the French Ministry for Foreign Affairs

TECHNICAL SKILLS

Product Analytics Experimentation: A/B Testing & Experimentation Design, Causal Inference (Difference-in-Differences, Panel Methods), Overall Evaluation Criteria (OEC) Development, Guardrail Metrics, Sample Ratio Mismatch (SRM) Detection
Statistical Methods: Predictive Modeling, Time Series Analysis, Econometrics, Monte Carlo Simulation, Network Analysis
Programming & Tools: Python (Advanced: pandas, scikit-learn, statsmodels), R (Advanced: tidyverse, fixest, lfe), SQL (Advanced), Stata, AWS Services, Tableau, Power BI, Git, Spark, Databricks, Hadoop

PROJECTS

Emotion-Based Movie Recommender (Python, Transformers, Streamlit) Link — App · **Minimum Variance Portfolio Optimization** (Python, cvxpy, WRDS/CRSP) Link · **Marketing Budget Allocation Optimization** (Python, Gurobi, MIP) Link · **Automated Fraudulent Job Detection** (Python, NLP, XGBoost) Link