KRITI SINGH

📞 (857)-930-5730 | ✉ singh.k1818@gmail.com | ⬤ k in KRITISIN-GH

SUMMARY

Data Scientist with experience in Data Mining, Predictive Analytics, and Data Visualization looking for an internship, co-op. Proven knowledge in Machine learning, Deep Learning, and Optimization. A Big Data enthusiast with an aspiration to make a substantial difference in businesses by analyzing and bridging the gap between business and data.

EDUCATION

BOSTON UNIVERSITY   **BOSTON, MA**   **EXPECTED GRADUATION**
MASTER OF SCIENCE IN APPLIED BUSINESS ANALYTICS   **MAY 2026**

Related Coursework:

Predictive Analytics	Machine Learning & Data Mining	Data Visualization
Deep Learning	Algorithms and Data Structures	Feature Engineering
Generative AI	Cloud Analytics	SQL

WORK EXPERIENCE

BUILD FELLOWSHIP, NEW YORK,NY   **BUILD STUDENT CONSULTANT**   **Sep 2025 – Oct 2025**

- Designed and executed a Bot vs. Human interaction study analyzing 200+ response samples to compare automation effectiveness.
- Conducted applied analysis of ReCAPTCHA systems, balancing security performance and user experience trade-offs.

TECHNICAL EXPERIENCE (PROJECTS)

Sports Betting Edge | https://github.com/KRITISIN-GH/sports-betting-edge | https://sports-betting-edge-ks.streamlit.app/

- Built an end-to-end ML system that outperformed Vegas odds by 7.4%, generating 14.7% ROI across a full NBA season backtest.
- Engineered 127 features and trained an XGBoost model using time-series cross-validation; deployed a real-time dashboard with automated odds ingestion.
- Translated analytical findings into clear insights and recommendations for non-technical stakeholders.

GitHub Repository Intelligence Scanner | https://github.com/KRITISIN-GH/GitHub-Repo-Intelligence-Scanner

- Built an AI-powered system analyzing 10+ GitHub repositories to detect AI-generated code and resume padding with 87% accuracy.
- Engineered a multi-modal detection pipeline combining commit history analysis, code structure signals, and language patterns to support early-stage portfolio and code quality evaluation.

AI-Driven Multi-Tier Supply Chain Risk Simulator | https://github.com/KRITISIN-GH/Supply-Chain-Risk-Simulator

- Designed and built an end-to-end supply chain risk intelligence platform modeling multi-tier supplier dependencies and simulating disruption propagation across global networks.
- Built a multi-tier supply chain risk intelligence platform combining lead-time volatility, sentiment, weather, and financial signals, with a Streamlit dashboard enabling real-time scenario analysis, cost-impact estimation, and identification of single points of failure.

RESEARCH

Neuroscience & Cognitive Performance Research

Applied machine learning and statistical modeling to neuro-cognitive datasets to quantify fatigue, reaction-time variability, and performance degradation, linking cognitive signals to measurable performance outcomes and decision-making insights.

SKILLS

Languages & Platforms: Python, SQL, R | **ML & AI:** Scikit-learn, XGBoost, Neural Network, Predictive Modeling, LLMs | **Data & NLP:** NLP, Time-Series | **Visualization & Apps:** Streamlit, Tableau, Power BI, Plotly, Matplotlib | **Systems & Cloud:** REST APIs, SQLite, Git, AWS S3/EC2