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PROFESSIONAL SUMMARY

Data Science student at University of Illinois Chicago with expertise in Machine Learning, Generative AI, and Large Language Models (LLMs). Proven ability to transform complex datasets into actionable business insights through advanced analytics, data visualization, and statistical modeling. Experienced in building recommendation systems, predictive models, and dashboards at the executive-level. Effective communicator skilled at presenting technical findings to executive leadership and translating complex analytical concepts for non-technical audiences. Adaptable professional with strong foundation in Python, C++, and cloud technologies, seeking opportunities to leverage data-driven solutions for business impact.

EDUCATION

University of Illinois Chicago (UIC) *Expected: May 2026*
Bachelor of Science in Data Science

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java, MATLAB
Data Science & ML: Machine Learning, Generative AI, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), AI Agents, Data Analysis, Classification
Tools & Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Looker Studio, Google Sheets, Make, MySQL, Git, AWS
Core Competencies: Data Visualization, Business Analytics, Data Integration, Workflow Automation, Recommendation Systems, Hypothesis Testing, Exploratory Data Analysis (EDA), Statistical Modeling

PROJECTS

Amazon Recommendation System GitHub
- Implemented rank-based, similarity-based, and matrix factorization recommendation algorithms using TensorFlow
- Applied TF-IDF, SVD, and collaborative filtering techniques to recommend products based on user ratings
- Evaluated models using precision, recall, and RMSE metrics; addressed cold start and scalability challenges

Lead Conversion Prediction GitHub
- Built classification models using Decision Trees and Random Forests to identify high-conversion leads
- Performed hyperparameter tuning and cross-validation; improved model accuracy by 18%
- Evaluated models using confusion matrices and ROC curves for optimal performance

Tata Data Visualization Looker Studio
- Created executive-level dashboards that transform complex datasets into actionable business insights.
- Developed cleaning and visualization strategies similar to Google Sheets dashboard architecture.
- Presented insights to senior leadership stakeholders, translating technical findings into business recommendations
- Communicated complex analytical concepts to non-technical audiences, driving data-informed strategic decisions

FoodHub Order Analysis GitHub
- Conducted exploratory data analysis (EDA) on 10,000+ food orders to identify demand patterns
- Statistical models and visualizations created using Python (Pandas, Matplotlib, Seaborn)
- Provided data-driven recommendations to enhance business operations and customer experience

CERTIFICATIONS & TRAINING

Data Science and Machine Learning: Making Data-Driven Decisions *MIT IDSS (May–Sep 2024)*