SURENDER KANNAH | skannah@gmail.com | (832) 576 2297 | LinkedIn **|** Github

EDUCATION

University of Colorado at Boulder Master in Data Science	2025
University of Texas at Austin Bachelor of Business Administration, Finance	2019
Stanford Machine Learning Specialization Certificate	2024
Deep Learning AI Natural Language Processing with Classification and Vector Spaces	2024
Microsoft Azure Machine Learning for Data Scientists	2024
Google Foundations of Cybersecurity	2024

PROFESSIONAL EXPERIENCE

Intuitive Labs – *Research Lab* | Artificial Intelligence Engineer | *Houston, Texas*   2022 - Present
- Earned NSF Grant Funding to build prototype and support beta testing of MVP
- Conducted research with Stanford Snyder Lab to track wearable activity data using Wearipedia
- Utilized RAG, LangChain, LangGraph, LLM, ML, Multi-agents, and NLP to build a healthcare assistant named Julia
- Implemented object detection algorithms to identify objects within images using YOLO, PyTorch, and CNN
- Engineered a hand detection and tracking model using MediaPipe and OpenCV
- Built a classifier using NLTK's VADER and Hugging Face's RoBERTa Transformer, achieving 92% accuracy
- Performed tokenization, lemmatization, and vectorization (TF-IDF, Word2Vec, BERT embeddings)
- Fine-tuned convolutional neural networks for robotic vision tasks, achieving a 22% improvement in item detection
- Created and maintained product roadmaps, utilizing Streamlit, ChatGPT, and Mistral 7b Whisper

Lockheed Martin – *Space Defense Tech* | AI Research Engineer Intern | *Houston, Texas*   2025 - 2025
- Developed a robust data mapping framework to align and integrate two disparate data sources
- Utilized Git, JIRA, Confluence, VSCode, and Jupyter to manage AI model development and versioning
- Designed an AI-powered movie recommendation agent using collaborative filtering and content-based techniques
- Built an AI assistant to parse Lockheed Martin's travel policy documents, enabling employees to query expenses
- Integrated an AI agent within Jira to auto-triage tickets, suggest issue resolutions, and summarize sprint progress

Ripple – *SaaS Fintech* | Business & Corporate Development Associate | *San Francisco, CA*   2021 - 2022
- Evaluated $5 million investment using market comp analysis on an ATM operator
- Structured 12 ROI commercial deals for clients to negotiate partnerships & drive growth to $20+ billion market cap
- Assessed 212 trade finance companies to establish BaaS as a new vertical
- Implemented a comprehensive operational plan for $250 million fund, aligning financial goals with strategic objectives
- Presented to crypto and VC leaders at Bitcoin Miami, Consensus, SXSW, CFO, Stanford & MIT Blockchain conferences

TPG Capital – *PE Firm* | Finance Associate | *Remote*   2020 – 2021
- Developed financial models across $120+ billion AUM, resulting in a 30-day increase in lead time
- Analyzed portfolio valuations to calculate scenarios for senior leadership with 5% variance
- Created 6 customized dashboards to track financial metrics, facilitating data analysis for new capital raises
- Forecasted 12 month future net IRR sensitivities based on quarterly contribution and distribution detail
- Tracked monthly metrics for Chief of Staff by pulling data to highlight KPIs on operational success

Ashford Inc. – *REIT* | Financial Analyst | *Dallas, TX*   2019 – 2020
- Strengthened financial and operational analysis of $8 billion AUM (130+ properties)
- Negotiated $15 million PropTech lease deal with corporate development by evaluating levers in LOI
- Pioneered adoption of Tableau to enhance geospatial intelligence reporting to visualize data trends
- Coded an automated DCF model to simulate what-if scenarios for CapEx renovations
- Developed web scraper utilizing Python to pull competitor data for optimizing price point elasticity to 100%

Swoovy – *SaaS Start-Up Internship* | Business Development | *Austin, Texas*   2018 – 2019
- Strategized directly with CFO to discuss opportunities to capture market segment growth
- Directed public seminars to 300 students on campus to increase product awareness

Technical | TensorFlow, PyTorch, Keras, scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Databases, Data Visualization

Work Eligibility | U.S. Citizen