Haris Hasan

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EDUCATION

Purdue University, West Lafayette, IN — Aug 2020 – Dec 2023

BS Data Science, **BS Applied Statistics**, Psychology minor — Dean's List, OUR Scholar Award — GPA: 3.64 / 4.0

Relevant Coursework: *Large Scale Data Analytics, AI, Data Structures, Algorithms, Time Series Analysis, Data Mining, Machine Learning, Regression Analysis, Databases, Statistical Theory, Probability, Linear Algebra, Data Visualization*

WORK EXPERIENCE

Ancestry.com — May 2023 – Aug 2023
Product Data Science Intern — *Lehi, UT*

- Initiated project and **won hackathon** as the only team of interns; transformed personal diaries into dynamic conversational personas:
  - ∗ Applied sophisticated NLP techniques including embeddings via sentence transformers (SBERT), FAISS-based similarity search models, and optimized prompt engineering with a GPT implementation
  - ∗ Expanded project scope to include multi-modal features (text, images, video) to allow users to interact with true digital avatars
  - ∗ Recognized at an organizational level, culminating in a **presentation to Ancestry's C-suite**, underscoring its viability for production implementation and as a potential revenue source
- Implemented strategic initiatives informed by own data insights, which resulted in a **3% uplift in bill-through rates**
- Executed detailed data analysis by querying Amazon Redshift with SQL and processing results using Python, revealing pivotal user engagement metrics
- Enhanced stakeholder understanding by designing intuitive and interactive data visualizations using Tableau, Plotly, and Matplotlib, which informed key product decisions

AI Camp — Dec 2022 – Jan 2023
Data Science Intern and Instructor — *Remote, Palo Alto, CA*

- Taught students a crash course on Exploratory Data Analysis in Python and produced a data web app via Streamlit; **top instructor feedback rating of 9.3/10**
- Developed and published a crash course on text generation models for **1000+ students** to learn from
- Implemented TensorFlow, GPT-2, HuggingFace API, and Google text-to-speech methods to generate highly relevant text and audio based on user input of merely 3 words through a Gradio web interface

Purdue University, Krenicki Center for ML in Business — May 2022 – Oct 2022
Data Science Student Consultant — *West Lafayette, IN*

- Built Tableau dashboards to visualize core business KPIs, **saving 10 hours per week** of manual reporting work
- Incorporated clear and concise language to convey complex data findings to senior leadership, leading to a **20% reduction in recurring group meeting times**

Purdue University, Cognitive Psychology Lab — Jun 2021 – May 2022
Quantitative Researcher under Dr.Yu-Chin Chiu — *West Lafayette, IN*

- Managed the data lifecycle and 30+ participant trials to create, process, and analyze unstructured brain data
- Engineered 10+ csv files with **2,000,000+ raw signal data points** from live EEG experiments to create a single, efficient data frame in Python using Pandas and Numpy
- Led analysis tasks and lab set up to **accelerate research timeline by 2 weeks**

Hewlett-Packard Tech Ventures — Mar 2022 – May 2022
Business Analytics Extern — *Remote, Palo Alto, CA*

- Queried and analyzed data using SQL and Python to prioritize 5 remote-work startups for potential acquisition
- Awarded the **highest grade standard** in the final presentation for demonstrating the potential to launch the company into a new vertical growing **23% year-on-year**

TECHNICAL SKILLS

Languages: Python, Java, R, SQL
Frameworks & Libraries: Pandas, NumPy, Matplotlib, Keras, Scikit-Learn, PyTorch
Other: MS Azure, Amazon Web Services, Tableau, Git, Anaconda, Jupyter