KSHITIJ K

Bangalore, Karnataka

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Profile Summary

Results-driven Data Scientist skilled in retail analytics, NLP, and machine learning. Expertise in delivering AI solutions, streamlining workflows, and driving business outcomes.

Experience

Stylumia   **September 2023 - Present**
Data Scientist - Retail   *Bangalore, India*

- **Developed a product recommendation system for a leading footwear brand in the USA** using customer behavior data, boosting customer retention by **11%** and improving conversion rate by **7%**.
- **Led cross-functional teams to integrate AI technologies into existing products**, increasing user engagement by **25%** and fostering a tech-forward culture.
- **Spearheaded efforts to improve text embedding models**, leading to a **120%** increase in textual similarity performance over the foundational model and setting a new benchmark on BEIR.
- **Engineered a K-LLM workflow to control hallucinations**, improving quality of results from the LLMs by **15%** as compared to the foundational models.
- **Led a team to develop an apparel segmentation model across multiple categories**, improving image-based color extraction accuracy by **6%** and enhancing visual similarity performance by **13%**.
- **Designed and implemented an attribute extraction system**, reducing human tagging time by **80%** and achieving **90%** accuracy, enhancing product metadata usability.

Stylumia   **March - August 2023**
NLP Engineer Intern   *Bangalore, India*

- **Developed an assortment management platform** for a major US home improvement retailer, improving merchandising decisions by **60%** and doubling user effectiveness while reducing operational times.
- **Reduced the market review and decision-making cycle from 8 weeks to 1 week**, increasing process efficiency by **87.5%** and enabling faster market responsiveness for the retailer.

ValuePitch   **August - October 2022**
Software Development Engineer Intern   *Mumbai, India*

- **Implemented a custom OCR system and transliteration tools for Indic scripts**, reducing processing time by **75%** and achieving **68%** accuracy in transliteration, enhancing data accessibility and usability across languages.
- **Optimized system performance**, improving efficiency by **30%** under high-load conditions and achieving **83%** accuracy in extracting critical information, ensuring scalability and reliability for high-stakes applications.

Technical Skills

Languages: Python, SQL, C++, HTML, CSS

Data Science and Machine Learning: Machine Learning, Deep Learning, Predictive Modeling, NLP, Computer Vision, Generative AI, PyTorch, Scikit-Learn, Pandas,Weights and Biases, Streamlit, Flask, FastAPI, Git, Docker,Matplotlib,Seaborn

Cloud and Big Data: GCP, AWS, BigQuery, Elasticsearch

Education

Sir M Visvesvaraya Institute of Technology   **2019 - 2023**
Bachelor of Engineering in Information Technology   *Bangalore, India*

Achievements / Awards

2 x Super Star Of The Month & Value Champion	Stylumia
CodeFiesta Hackathon | Link	Sir MVIT, Bangalore, India
AccelAthon 3.0 (Open Innovation Hackathon) | Link	NCET, Bangalore, India

Publications

IEEE Publication: Decentralized Network for Cloud Storage | Link	IEEE Xplore