Kaveesh Khattar

+91 98193 79487 | kaveeshkhattar@gmail.com | kaveeshkhattar | KaveeshKhattar | kaveeshkhattar.github.io

Experience

- **Myelin Foundry**
  Machine Learning Intern — June 2023 - July 2023
  - Researched and created a driver wellness tool, constructing a dataset with markers like Heart Rate Variability (HRV), skin impedance, and temperature to detect chronic inflammation. Employed traditional and deep learning algorithms for predictions.

Education

- **PES University** — Bengaluru, India
  Bachelor of Technology in Computer Science – Specialisation in Data Science – GPA: **8.94/10** — June 2024
  Coursework: Data Structures & Algorithms, Computer Networks, Operating Systems, Databases, Big Data
- **Sri Kumarans Childrens Home** — Bengaluru, India
  Senior Secondary (CBSE): **95.2%** — March 2020

Skills

- **Languages**: Shell Scripting, HTML, CSS, JavaScript, TypeScript, Python, Java, SQL
- **Frameworks**:
  - **ML:** pandas, NumPy, TensorFlow, PyTorch, scikit-learn, NLTK, fastText, spaCy, HuggingFace, Streamlit
  - **Web:** React, Tailwind, Express, Django, Flask, Spring Boot, MySQL, PostgreSQL, MongoDB
  - **Cloud:** Git, Docker, Kubernetes, Microsoft Azure

Projects

- **Local Retrieval Augmented Generation Pipeline**
  - Developed a Retrieval Augmented Generation (RAG) pipeline to enhance document interaction with efficient retrieval, augmentation, and generation.
  - Extracted text from documents and developed retrieval systems for precise data extraction, utilizing iterative expansion methods to enhance contextual understanding. Utilized Gemma (an LLM from Google) to generate concise, informative responses. [Link]

Publications

- **Understanding the Psychological Needs at Play in Disinformation**
  - Investigated psychological motives for spreading online misinformation to develop effective strategies for promoting truthfulness.
  - Employed a multi-layered dataset integrating psychological dimensions, mitigated imbalance via data augmentation and standardized data. Utilized traditional and deep learning algorithms, evaluating performance with various metrics. [Link]

Volunteering Experience

- **Apple Developer's Group**
  Software Domain Lead — August 2021 - May 2022
  - Pitched club goals, outlined app capabilities and core CS concepts. Resulted in 55 new club sign-ups.
  - Led a 5-member team, organized 5 CS Concept workshops (60 avg. attendance) and an App Development seminar (75 attendance). Achieved 90% engagement through interactive activities and group discussions.