Kaveesh Khattar

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EXPERIENCE

AT&T   Bengaluru, India
Software Engineer Intern   Feb 2024 - Jul 2024
- Developed a platform to enhance intern on-boarding using **HTML**, **CSS**, **JavaScript**, **Spring Boot**, **PostgreSQL**, and **Docker**, resulting in a **30% decrease** in sync-up time of interns on-boarded on different dates.
- Streamlined communication by providing easy access to team progress, offering an in-house forum for technology-related onboarding queries, and managing logistics like access card approvals and conference room bookings for new hires.

Myelin Foundry   Bengaluru, India
Machine Learning Intern   June 2023 - July 2023
- Researched and created a driver wellness tool, using **pandas**, **NumPy** and **scikit-learn**, achieving **85% accuracy** in detecting chronic inflammation by constructing a dataset with 5,000 samples and markers like Heart Rate Variability (HRV), skin impedance, and temperature, and employing 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
- **Awards:** Prof. MRD Scholarship - awarded to top 20% of class (5 out of 8 semesters).

Sri Kumarans Childrens Home   Bengaluru, India
Senior Secondary (CBSE): **95.2%**   March 2020

SKILLS

- **Programming**: Python, JavaScript, Java, SQL, GraphQL, HTML, Bash
- **Machine Learning**: pandas, NumPy, scikit-learn, NLTK, fastText, spaCy, HuggingFace, PyTorch
- **Cloud**: Hadoop, Cassandra, Hive, Kafka, Airflow, Tailwind, Spring Boot, Git, Docker, Kubernetes, Azure

PROJECTS

- **Local Retrieval Augmented Generation (RAG) Pipeline**
  - Developed a RAG pipeline utilizing **pandas**, **NumPy**, **SentenceTransformer**, which **enhanced document interaction efficiency by 40%**. This involved extracting text from documents, developing retrieval systems for precise data extraction using iterative expansion methods to improve contextual understanding, and leveraging **Gemma** (an LLM from Google) to generate succinct and informative responses based on extracted information. [Link]

- **Solan - Cisco Talent Outreach**
  - Developed and launched Solan, a web application built using **HTML**, **CSS**, **JavaScript**, **Django** and **MySQL** to foster learning amongst students through collaborative question bank creation and to enable teachers to conduct class-wide quizzes on topics. Solan garnered **active participation from 75%** of the CS class. [Link]

PUBLICATIONS

Understanding the Psychological Needs at Play in Disinformation   Bengaluru, India
Undergraduate Researcher   May 2022 - June 2023
- Explored and analyzed methods to investigate the underlying psychological processes and motivations behind the production of disinformation. Analyzed and performed data normalization and data augmentation to resolve class imbalance in the dataset of 34,000 tweets.
- Implemented models to perform classification using traditional methods (**Naive Bayes**, **SVM**, **XGBoost**) and deep learning techniques (**DistilBERT with ktrain, spaCy with bert-base-cased**), achieving **accuracy metrics of 82%** across classes. [Link]

POSITION OF RESPONSIBILITY

Apple Developer's Group   Bengaluru, India
Software Domain Lead   August 2021 - May 2022
- Led promotion of club objectives and app capabilities, and **landed 55 new sign-ups**. Organized and facilitated workshops on CS concepts averaging 60 attendees and an engaging App Development seminar with 75 participants. **Achieved 90% engagement** in these interactive activities, fostering a vibrant learning environment and community participation.