

Kaveesh Khattar

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EXPERIENCE

- **AT&T** Bengaluru, India
Feb 2024 -
 - Software Developer
 - 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.
 - Achieved this by streamlining communication through easy access to information on the team's and its members' progress, provided an in-house forum for resolving technology-related doubts that might arise during the on-boarding process, and managed logistics such as access card approvals and conference room bookings for new hires.
- **Myelin Foundry** Bengaluru, India
June 2023 - July 2023
 - Machine Learning Intern
 - 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
June 2024
 - Bachelor of Technology in Computer Science – Specialisation in Data Science – GPA: **8.94/10**.
 - 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
March 2020
 - Senior Secondary (CBSE): **95.2%**

SKILLS

- **Languages:** Shell Scripting, HTML, CSS, JavaScript, TypeScript, Python, Java, SQL, GraphQL
- **Technologies:**
 - ML:** pandas, NumPy, PyTorch, TensorFlow, scikit-learn, NLTK, fastText, spaCy, HuggingFace, Streamlit
 - Data:** Hadoop, Cassandra, Apache Hive, Apache Spark, Apache Kafka, Snowflake, Apache Airflow
 - Web:** React, Tailwind, Express, Django, Flask, Spring Boot, MySQL, PostgreSQL, MongoDB
 - Cloud:** Git, Docker, Kubernetes, Microsoft Azure (AZ900 certified)

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
May 2022 - June 2023
 - Undergraduate Researcher
 - Conducted research to investigate the underlying psychological processes and motivations behind the production of disinformation, analyzing 34,000 tweets. Performed data normalization, data augmentation to resolve class imbalance, implemented classification models 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
August 2021 - May 2022
 - Software Domain Lead
 - 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.