Kaveesh Khattar

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EXPERIENCE

Myelin Foundry   Bengaluru, India
Machine Learning Intern   June 2023 - July 2023
- Built a Tkinter UI Dashboard using Agile methodology to demonstrating the company's product to investors. This tool facilitated a 30% reduction in presentation preparation time and enhanced investor engagement.
- Developed a tool to monitor the wellness of drivers. Curated a robust 1000-row bio-marker dataset after conducting an exhaustive literature survey to identify essential metrics for chronic inflammation assessment and collaborating with an external company to secure advanced trackers.
- Classified wellness of drivers into categories using machine learning models trained on the above dataset. Leveraged hyper-parameter analysis to increase the model's performance.

PES University   Bengaluru, India
Research Intern   July 2022 - July 2023
- Worked on the publication titled 'Understanding the Psychological Needs at Play in Disinformation'. Resolved class imbalance, performed text preprocessing and model training and evaluation, showcasing meticulous attention to detail.
- The paper has been submitted to a conference pending approval. View it here.

Stockal   Bengaluru, India
Software Engineer   June 2022 - July 2022
- Optimising Tax Returns Workflow: Managed code base organization by working collaboratively with a cross-functional team to optimize and restructure 15 JavaScript files.

Cisco Talent Outreach   Bengaluru, India
Web Developer   July 2018 - January 2019
- Solan: Developed and launched Solan, a web application fostering learning through collaborative question bank creation. Under the guidance of a Cisco mentor, I worked with a team of five classmates, to deliver a platform that promotes knowledge acquisition through crowdsourcing. Solan garnered active participation from 75% of my classmates. Visit it here.

EDUCATION

PES University   Bengaluru, India
Bachelor of Technology in Computer Science – Specialisation in Data Science – GPA: **8.85/10**   June 2024
Coursework: DBMS, Data Analytics, Big Data, ML, Cloud Computing, NLP, Computer Networks, Operating Systems

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

SKILLS

- Languages: Python, HTML, CSS, JavaScript, SQL, Swift
- Frameworks: Git, SwiftUI, pandas, scikit-learn, Docker, Kubernetes

PUBLICATIONS

- **Understanding the Psychological Needs at Play in Disinformation**   July 2022 - July 2023
  - Executed data space-oriented augmentation by infusing synonyms in text samples leading to balanced class distribution.
  - For the machine learning task, both traditional and deep learning approaches have been used. Selected Naive Bayes, SVM, XGBoost as baselines. Employed transformer based approach to derive deeper insights.
  - Achieved 0.69 Cohen's Kappa and MCC score implying strong prediction quality. Furthermore, the kTrain-DistilBERT approach exhibited an 80% average accuracy across three classes. View it here.

PROJECTS

Database Management System   Bengaluru, India
Course Project - Grocery Management System   August 2022 - December 2022
- Designed and implemented a comprehensive MySQL database system, including schema development, relationship establishment, constraint implementation, and normalization, ensuring efficient data storage and retrieval.
- Created a user-friendly Tkinter (Python) interface for seamless interaction with the MySQL database, enhancing user experience.

- **iOS Development**   July 2021 - July 2022
  - Development using Swift: Learnt tools and languages over a 100 day course to build and deploy iOS, watchOS and macOS apps. View my certificate here. View my projects here.

- **Web Development**   July 2021 - December 2021
  - Development using HTML, CSS, JS: Learnt tools and languages to design and deploy a personal website that narrates my journey. Visit it here.

Position of Responsibility

- **Apple Developer's Group** — Bengaluru, India
  Software Domain Lead — August 2021 - May 2022
  - Bootstrap: Presented the purpose of the club and my domain on the kind of apps they would be capable to build and core CS concepts they would learn by the end of a semester. This translated to 55 new sign ups of students for the club.
  - Domain Lead: Led a team of five members, synergising their efforts to conduct five workshops on core CS Concepts with an average attendance of 60 people and a seminar on App Development with an attendance of 75 people. Implemented interactive activities and group discussions, resulting in an active engagement level of 90% during the seminar.

Honors and Awards

- Prof MRD Scholarship - awarded to top 20% of students in the University (3 semesters)

- Trinity CEFR Level B1 Certified

- School Gold Medalist in National Cyber Olympiad