

# 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 that played a pivotal role in demonstrating the product to investors.
  - Developed and piloted a Deep Learning tool to monitor the wellness of drivers to reduce road accidents. Built a comprehensive dataset of 1000 rows used for training the model.
  - Utilised Random Forest to classify wellness into categories using the above dataset on bio-vitals. Leveraged hyper-parameter analysis to increase the model's performance.
- **PES University** Bengaluru, India  
Research Intern July 2022 - July 2023
  - Piloted a professor's research idea on 'Understanding the Psychological Needs at Play in Disinformation' utilizing NLP techniques and machine learning models. 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
  - Studied influence of psychology in language with NLP using vectors and transformers. Utilized TFIDF, SVM, XGBoost, spaCy's transformer, and kTrain's DistilBERT implementation.
  - Addressed class imbalance by performing data augmentation at the word level.
  - Paper has been sent to a conference and are awaiting their approval. View the paper 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 up to 3rd Normal Form (3NF), 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.
- **Unix Shell Scripting** Bengaluru, India  
Course Project April 2021 - August 2021
  - File Backup: Built shell scripts for system management and remote incremental file backups. View it here.

## POSITION OF RESPONSIBILITY

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- **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

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- 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