Kaveesh Khattar

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EXPERIENCE

- **Myelin Foundry** — Bengaluru, India
  Machine Learning Intern — *June 2023 - Present*
  - **Wellness Project**:
    - Researched and evaluated 10 wearables to select the most suitable device after performing cost and risk analysis.
    - Constructed a comprehensive dataset of over 1000 rows by collecting bio-vitals data thrice daily over the course of a week from 6 individuals. Conducted surveys to gain insights into mental health and well-being.
    - Applied statistical and Fourier transforms techniques to extract crucial HRV data from raw R-R intervals. Built and analysed LSTM models to capture the patterns present in the data.

- **PES University** — Bengaluru, India
  Research Assistant — *August 2022 - Present*
  - **Natural Language Processing**: Worked under a professor for more than a year to work on psychological processes involved in language production. Investigated the cause and effect relationship between emotions expressed in text (effects) and their underlying motivations (causes) as elucidated by HNT.

- **Stockal** — Bengaluru, India
  Software Engineer — *June 2022 - July 2022*
  - **Optimising Tax Returns Workflow**: Enhanced code base organization, leading to a 15% reduction in deployment time through Continuous Deployment tools, allowing for quicker delivery of updates and features.

- **Apple Developer's Group** — Bengaluru, India
  Software Domain Lead — *August 2021 - May 2022*
  - **Bootstrap**: Bootstrap: I presented the purpose of the club and within it my domain by educating them on the kind of apps they would be capable to build and core CS concepts they would learn by the end of a semester which translated to 55 new sign ups of students for the club.
  - **Domain Lead**: I led a team of five members, synergising their efforts to conduct five workshops on core CS Concepts and a seminar on App Development with an average attendance of 60 people per workshop and 75 people for the seminar, reaching a total of 375 attendees. Implemented interactive activities and group discussions, resulting in an active engagement level of 90% during the seminar.

- **Cisco Talent Outreach** — Bengaluru, India
  Web Developer — *July 2018 - January 2019*
  - **Solan**: I successfully achieved the creation of 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 powerful platform that promotes knowledge acquisition through crowdsourcing.
    Solan garnered active participation from 75% of my classmates for concept revision before unit tests. Visit it here.

EDUCATION

- **PES University** — Bengaluru, India
  B.Tech in Computer Science; GPA: 8.85 — *August 2020 - June 2024*
  Courses: Operating Systems, Design and Analysis Of Algorithms, Machine Learning, Data Analytics, Big Data.

- **Sri Kumarans Childrens Home** — Bengaluru, India
  Senior Secondary; Percentage: 95.2% — *June 2018 - March 2020*

SKILLS

- **Languages**: VB, C++, Python, SQL, HTML, CSS, JavaScript, C, Swift, Unix, R, Java
- **Tools**: Git, Matlab, Xcode, Hadoop, Spark, Pandas, NLTK, Numpy, Scikit-Learn

PUBLICATIONS

- **Study on Psycho-linguistics using Theories of Motivation and Emotion** — Bengaluru, India
  Natural Language Processing (NLP) — *August 2022 - Present*
  - **Spontaneous Disinformation is rooted in Psychological Issues**:
    - Working under a professor for more than a year on a research project on psycholinguistics in NLP, focusing on linguistic behavior and psychological processes.
    - Performed data augmentation, balancing a dataset from 15,000 rows to 30,000 rows to enhance the quality and representativeness of the data.
    - Achieved an accuracy of 82% and a Matthews Correlation Coefficient (MCC) score of 0.69. MCC was evaluated by eliminating chance predictions, ensuring the robustness of our results.

Projects

- **iOS Development** — Bengaluru, India
  Hacking with Swift — *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** — Bengaluru, India
  Personal Website — *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.

Honors and Awards

- Selected in top 20% of the class and received 3 MRD Scholarships totalling INR 1,68,000 / USD 2,100 - 2023

- Trinity CEFR Level B1 Certified - 2017

- Ranked First in school in NCO as a Gold Medalist - 2015, 2016