ARVINDH A

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EXPERIENCE

Undergraduate Researcher
Precog, IIIT Hyderabad

📅 May 2021 – Present   📍 Hyderabad

Working mainly on domains intersecting with social media and other large networks with **Ponnurangam Kumaraguru "PK"** as my advisor. Following are my current collaborations,

- **Georgia Institute of Technology, Atlanta** - Collab with Prof. **Polo Chau** in analysing the Quantitative and Qualitative impact of fraudulent behavior on social networks and their identification. (**Published at ACM HyperText 2022**)
- **Adobe Research, Bangalore** - Collab with Dr. **Ramasuri Narayanam** in exploring the landscape of group fairness in unsupervised GNNs. (**To be published at ECAI 2023**)
- **Indiana University, Bloomington** - Collab with Prof. **Jisun An** in temporally analysing information diffusion of hate speech in social media.

Applied AI/ML Intern
JPMorgan Chase

📅 May 2023 – July 2023   📍 Bangalore

Worked as a part of the Corporate Investment Banking division.

Research Intern
The Chinese University of Hong Kong

📅 June 2022 – August 2022   📍 Hong Kong SAR

Working on the domain of Clustering/Community detection in Dynamic social networks and studying their properties advised by Prof. **Hong Cheng**.

Cross Platform Development Intern
Nemocare

📅 Jan 2021 – May 2021   📍 Remote

A Google accelerated startup led by a Forbes 30 under 30 recipient. Developed the first Android application prototype. Built two versions - Flutter and React Native with AWS backend and submitted a performance report.

ACHIEVEMENTS

- ✴ **First Runner-Up (Stellantis NV - Gamifying driving experience)**
  Megathon, 2022
- ✴ **Round 2 #2949 (Top 10% Globally)**
  Facebook Hackercup, 2022
- ★ **Global Rank #102**
  PicoCTF by CMU, 2021
- ★ **Global Rank #6**
  GermEval, KONVENS, 2021
- ✴ **National Rank #457**
  Google Hash Code, 2020

EDUCATION

B. Tech. + MS (R) in Computer Science
IIIT Hyderabad

📅 Jul 2019 – Present

- Current CGPA: 9.07, Major GPA: 9.16
- Dean's list Monsoon 2020, 2021
- TAship offered for Linear Algebra, Intro to Software Systems, Data & Applications, Computational Social Science

Senior Secondary School
KNMS, Trichy

📅 Apr 2009 – Mar 2019

PROJECTS

spccesh (Linux Shell)
C

A shell written in C from scratch having various features like process monitoring, I/O redirection, pipelining and signal handling. ◯

PlusOne (Cab Sharing Portal)
Javascript, Python, ReactJS, Django

A web application that acts as a platform for people trying to share their travel expenses and helps them communicate among each other. ◯

Privacy Park (Privacy policy QnA bot)
Python, Jurassic-1

A chatbot created using finetuned Jurassic-1 model by manually annoatated dataset to answer questions about any given Privacy Policy. ◯

PUBLICATIONS

- **CAFIN: Centrality Aware Fairness inducing IN-processing for Unsupervised Representation Learning on Graphs**
  Arvindh Arun, Aakash Aanegola, Amul Agrawal, Ramausri Narayanam, and Ponnurangam Kumaraguru. 2023. Accepted at 26th European Conference on Artificial Intelligence 2023.

- **Erasing Labor with Labor: Dark Patterns and Lockstep Behaviors on the Google Play Store**
  *Ashwin Singh, **Arvindh Arun**, Pulak Malhotra, Pooja Desur, Ayushi Jain, Duen Horng Chau, and Ponnurangam Kumaraguru.* 2022. Erasing Labor with Labor: Dark Patterns and Lockstep Behaviors on Google Play. In Proceedings of the 33rd ACM Conference on Hypertext and Social Media (HT '22), Barcelona, Spain. Association for Computing Machinery, New York, NY, USA, 186–191. https://doi.org/10.1145/3511095.3536368 Work covered by **Montreal AI Ethics Institute**.

All India Rank #20
UGEE, 2019

Finalist (University of the South, Tennessee)
NextGenius, 2018

SKILLS

Python   C/C++   Javascript/Typescript   Shell   Rust
SQL   Dart   LaTeX   x86-64   Ruby

- **Ensembling Pre-Trained Language Models with Feature Engineering**
T. H. Arjun, **Arvindh A.**, and Kumaraguru Ponnurangam. 2021. Precog-LTRC-IIITH at GermEval 2021: Ensembling Pre-Trained Language Models with Feature Engineering. In Proceedings of the GermEval 2021 Shared Task on the Identification of Toxic, Engaging, and Fact-Claiming Comments, pages 39–46, Duesseldorf, Germany. Association for Computational Linguistics. Ranked 6th worldwide on all the three subtasks combined.