Ananth Shreekumar

ananthshreekumar@gmail.com
thiswasnttaken.github.io
github.com/ThisWasntTaken

EDUCATION

Integrated Master of Technology in Computer Science and Engineering — Aug 2016 - Jul 2021

International Institute of Information Technology Bangalore

- Bachelor's + Master's degrees, CGPA : **3.92 / 4.0**

EXPERIENCE

Siemens Healthineers — Jan 2021 - Jun 2021

Technical Intern — Bangalore, India

- Intern in the "Lab Diagnostics, Technologies for Precision Medicine" group.
- Implementation of a machine learning model to predict the onset of Sepsis in ICU patients.

TECHNICAL SKILLS

Programming Languages : Python • C++ • C
Data Science : Pytorch • Scikit-Learn • Tensorflow • Keras
Tools : Git • Jenkins • Docker • GNUPlot • LaTeX
Others : SQL • XML • Flask • Linux

PUBLICATIONS

- Ananth Shreekumar, Biswesh Mohapatra, and Shrisha Rao. 2020. Incorporating Autonomous Bargaining Capabilities into E-Commerce Systems. In *Proceedings of the 20th ACM International Conference on Intelligent Virtual Agents (IVA '20)*. Association for Computing Machinery, NY, USA, Article 51, 1–8. DOI:https://doi.org/10.1145/3383652.3423865
- Tarun Dutt, G.N.S. Prasanna, T.R. Dastidar, and Ananth Shreekumar. 2019. Towards Artifact Rejection in Microscopic Urinalysis. In *Medical Imaging meets NeurIPS 2019 workshop, 33rd Conference on Neural Information Processing Systems*. Vancouver, Canada. [pdf]

SELECTED PROJECTS

A Bargaining Agent for E-Commerce — Aug 2019 - Dec 2019

Prof. Shrisha Rao

- Implementation of an E-Commerce Agent that has the ability to bargain with a user.
- Invloves offering discounts, recommending product bundles, and evaluating counter-offers made by the user.
- Featured in an article in www.technology.org.
- Work accepted as a full paper at the 20th ACM International Conference on Intelligent Virtual Agents (IVA'20).

Privacy-Aware Dynamic Access Control Mechanism for Electronic Health Records — Sep 2020 - present

Prof. T K Srikanth

- Consent-based data-sharing of e-health data constrained by purpose and activity.
- Implementation of a prototype that supports privacy preserving operations in a distributed healthcare ecosystem.

The Mapper Algorithm • Code — Mar 2020 - Apr 2020

Prof. Amit Chattopadhyay — CS/DS 815 - Topological Data Analysis

- Implemented the Mapper algorithm from Computational Topology.

A Column Store Database • Code — Apr 2020 - May 2020

Prof. Chandrashekar Ramanathan — DS 603 - Data Modeling

- Implemented a schema in XMLSchema for Relational Database schemas at a meta-meta-data level.
- Implemented classes that parse an XML instance and create required tables, views and add appropriate constraints.