

## PROJECTS

- AskReddit Troll Question Detection** | Python, SkLearn, NLP | [Project](#) Oct 2021 — Dec 2021
- Used Machine Learning algorithms to produce a model capable of automatically detecting troll questions on AskReddit, one of the most popular subreddits where users ask and answer thought-provoking questions, so that they can be flagged and removed
  - Different pre-processing techniques included feature extraction using the bag-of-words model and word embedding using Word2Vec to form context-based vectors, along with stop-words removal, conversion to lower case, punctuation and numerical content removal, lemmatization and stemming, etc.
  - Optimized various classification models through hyperparameter tuning to achieve an F1-score of 0.54 for the troll questions with an overall model accuracy of 0.95
- CryptoWill** | React, SmartPy, TypeScript | [Project](#) Aug 2021 — Oct 2021
- CryptoWill lets users store their cryptocurrencies in a decentralized "will", so as to prevent their holdings from becoming dormant in case of loss of private keys or user demise
  - Contributed to the front-end of the application by developing the React app with Typescript, and then integrating it with the SmartPy endpoints and contract storage with the Taquito.js Javascript library
- Just-post-it** | Django, Javascript, AJAX, PostgreSQL, Bootstrap | [GitHub](#) Aug 2020 — Sep 2020
- Developed a full-stack web-based Twitter-like social networking application. Functionalities include posting, liking and unliking posts, following and unfollowing users, viewing all posts, viewing posts made by users being followed, and editing pre-existing posts
  - Created a Rest API in Django, while connecting it to a PostgreSQL database
  - Used AJAX to implement a single-page application for the front-end that lets users like/unlike posts and edit their own posts in real-time without a page reload

## EXPERIENCE

- Research Intern** May 2021 — Present  
Software Engineering Lab (SELab), IIITB  
Bangalore, IN
- Student Associate** Jan 2021 — May 2021  
Web Science Lab (WSL), IIITB  
Bangalore, IN
- Built the first version of a Capacity Based Access Control (CBAC) portal for the Indian Urban Data Exchange (IUDX) framework, under the supervision of [Professor Srinath Srinivasa](#)
  - Successfully developed the basic functionalities from scratch: user authentication, world initialization, role selection, role modeling, and role(privilege)-based data access

## EDUCATION

- International Institute of Information Technology (IIIT) Bangalore** Aug 2019 — July 2024  
Integrated Masters in Technology, Computer Science and Engineering , GPA: 2.87/4.00
- Airport School, Ahmedabad** April 2017 — May 2019  
Senior School (Class XII), Science, Aggregate: 90.8%

## TECHNICAL SKILLS

- |                        |   |
|------------------------|---|
| <b>Languages</b>       | Python, Java, C/C++, HTML/CSS, JavaScript, SQL (Postgres), Solidity |
| <b>Frameworks</b>      | Django, Flask, SASS, React, Markdown, Bootstrap, LaTeX, Jekyll      |
| <b>Developer Tools</b> | Git, GitHub, GitHub Actions, VS Code, Figma, Heroku, Docker, Vim    |

## RELEVANT COURSEWORK

- Computer Science:** Programming(C/C++/Python/Java), Data Structures and Algorithms, Design and Analysis of Algorithms, Database Systems, Computer Architecture, Introduction to Automata Theory and Computability, Software Engineering, Computer Networks, Digital Design, Signals and Systems
- Mathematics and Basic Sciences:** Discrete Mathematics, Linear Algebra, Calculus, Probability and Statistics, Computational Chemistry, Physics
- Social Sciences:** Economics, History of Ideas, Technical Communication

## AWARDS & HONORS

- 2021** Tezos India Fellowship (**Tezos India**); LiFT Scholarship (**The Linux Foundation**)
- 2020** Academic Excellence Award (Academic years 2017-18 and 2018-19) (**Airport School, Ahmedabad**)
- 2017** NTSE Scholarship (**National Council of Educational Research and Training (NCERT)**)