

PROJECTS

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

Pagerank | Python | [GitHub](#)

July 2021 — Aug 2021

- Implemented a simplified version of the Pagerank algorithm which ranks a corpus of web pages by importance, by determining the probability that a web surfer is on a page at any given time
- Calculated pageranks of individual pages using two methods: Sampling (modelling the corpus as a Markov Chain where change of state occurs randomly from a previous page) and Iteration (using the Pagerank formula)

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

Software Engineering Lab (SELab), IIITB

May 2021 — Present

Bangalore, IN

Student Associate

Web Science Lab (WSL), IIITB

Jan 2021 — May 2021

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

Integrated Masters in Technology, Computer Science and Engineering , GPA: 2.87/4.00

Aug 2019 — July 2024

Airport School, Ahmedabad

Senior School (Class XII), Science, Aggregate: 90.8%

April 2017 — May 2019

TECHNICAL SKILLS

Languages

Python, Java, C/C++, HTML/CSS, JavaScript, SQL (Postgres), Solidity

Frameworks

Django, Flask, SASS, React, Markdown, Bootstrap, LaTeX, Jekyll

Developer Tools

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)**)