

PROJECTS

- 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)
- Depocalypse** | React, Solidity, IPFS, Ethereum | [Project](#) July 2021 — Aug 2021
- A decentralized NFT marketplace which lets users create their own NFTs and put them up in a marketplace. Functionalities include buying, selling, auctioning, and putting NFTs up for charity
 - Contributed to the smart contract that stores NFT objects as structures, mints NFTs on IPFS, and emits events for creation of new NFTs, sale of NFTs and transfer of NFTs from one account to another
- 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

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|------------------------|---|
| Languages | Python, Java, C/C++, HTML/CSS, JavaScript, SQL (Postgres), Solidity |
| Frameworks | Django, Flask, SASS, React, Markdown, Bootstrap, LaTeX |
| 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, Computer Architecture, 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** LiFT Scholarship (The Linux Foundation); Tezos India Fellowship (Tezos India)
- 2020** Academic Excellence Award for academic years 2017-18 and 2018-19 (Airport School, Ahmedabad)
- 2018** NTSE Scholarship (National Council of Educational Research and Training (NCERT))