

Ananya Sharma

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Education

University of Toronto | September 2020 - Present

Bachelor of Applied Science; Computer Engineering with a minor in Engineering Business

Equivalent courses: Algorithms and Data Structures, Computer Fundamentals, Signals and Systems, Intro to Electronics, Computer Organization, Engineering Economics, Introduction to databases, Machine Learning

Projects

On-chain Data Analysis (TME, University of New Brunswick) | June 2023- June 2024

- Extracted on-chain data from blockchain networks using APIs for in-depth analysis
- Conducted extensive analysis and computations of blockchain dynamics like total inputs and outputs, number of transactions, averages and median for both inputs and outputs etc..
- Implemented address filtering algorithms to detect fraudulent cryptocurrency addresses
- Manipulated and analyzed data using Python, to produce insights that are useful for making company related decisions.

NFT Exchange Project (Graywolf Research Team) | June 2022 – August 2022

- Developed a platform for users for a secure data exchange, with real-time tracking abilities
- Used Solidity to create the smart contract for users to exchange their data securely
- Used JavaScript and React for the front and back-end portion of the platform ensuring a seamless user experience

MAPIFY (Maps project) | January 2022 – April 2022

- A group project of 3 to create an innovative map application using C++
- Displays features (rivers, lakes, parks), important points of interest (restaurants, library, hospitals), one-way streets, for multiple cities
- Implemented an A-star algorithm for route optimization
- Used a built-in ezgl library to design the front-end portion of the map

Apartment Countertop Design Project (Communication Manager) | January 2021 – April 2021

- A group of 6 people designed an accessible countertop for a client who suffered from Multiple Sclerosis
- As a Communication Manager, I was responsible for communicating with the client and the Engineering Manager directly and scheduling of the weekly meetings

Experience

IEEE University of Toronto (Marketing Associate) | May 2022 – Present

- Responsible for designing the posters of the events taking place throughout the year using Canva pro
- As a Marketing Associate, I am required to communicate with people and promote the events on social media

AV Group Summer Intern | May 2021 – August 2021

- Created and designed technical forms (End of Service, Beginning of Service etc.) using Adobe Forms resulting in a more organized and a detailed system of information
- Created an AI Chatbot using IBM Watson assistant to help employees find their GL account codes
- Gained some exposure in working with databases

Skills

Technical:

- Programming: HTML, CSS, C, C++, SQL, Java(basics), React(basics), JavaScript(basics) MATLAB, Verilog, Visual Basic, Python
- Software: Visual Studio Code, NetBeans, Codelite, Quartus Prime
- Proficient in using Microsoft Office: Microsoft Word, Excel, PowerPoint, Teams, Outlook
- CAD/Design: Adobe Photoshop, Adobe Forms, SolidWorks, Canva Pro

Other: Detail-oriented, organized, strong interpersonal skills, can effectively research and document data, strong collaborative skills within a team , Fast learner