Simarpreet Singh

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ABOUT ME

I have a deep love for both communities and technology. I enjoy turning my ideas into products and presenting them, and I'm constantly learning new things in this process. This has led to my learning of C++ and Java, as well as the building of projects and products using Python, OpenCV, Scrappy, Selenium, and ML. Exploring the Web 3 and Blockchain field right now, learning React Front End Web Development, and trying to turn my ideas into presentable websites Working in the fields of front end development, reversible data hiding using PVO, cryptography in photos and multimedia files, and blockchain at the moment.

EDUCATION

Bachelors of Technology, CSE
Guru Tegh Bahadur Institute of Technology
08/2018 – 07/2022 | New Delhi, India
Persuing Btech in CSE from GGSIPU.
CGPA : 8.2

Class 12th
Guru Harkrishan Public School, Shahdara
2017 – 2018 | New Delhi, India
Completed my class 12th in Science-Non Medical.
CBSE Board : CGPA : 8.3

Class 10th
Guru Harkrishan Public School, Shahdara
2015 – 2016 | New Delhi, India
CBSE Board : CGPA : 8.6

WORK EXPERIENCE AND INTERN

Research Trainee Intern
Defense Research and Development Organisation, (DRDO, MoD)
02/2022 – 06/2022 | New Delhi, India
Research Trainee Intern at Scientific analysis Group, DRDO.Researching and working on Reversible Data Hiding in images and multimedia files using steganography and cryptography.
Working on Survey papers for Blockchain

Technical Content Writer
The Sidepath
04/2021 – 06/2021 | New Delhi, India
My role was to write, review and deliver content for technical articles to be published on website or newsletter.

Open Source Contributor
Student Code-In ✏
06/2020 – 08/2020 | New Delhi, India
In Top 25 contributor of Student Code-In's 3 month contribution drive, where I contributed by creating tutorial notebook ✏ for German to English translator using seq2Seq and Attention model

CERTIFICATIONS

- Responsive Web Design, freeCodeCamp.org ✏
- Placement Preparation Program, Pepcoding
- Python For Vision and Detection : OpenCv Python ✏
- Data Analysis with Python, Jovian.ml ✏

PROJECTS

Auctioneer ✏
- Live auction app created using React and storage and authentication using Firebase.
- Live bidding and top bidder can be seen on the platform along with creating new auctions.
- Payment gateways will be integrated soon

OpenBoard Clone ✏
- Developed a customized OpenBoard clone by implementing Canvas API and Browser Module
- Structured the UI using HTML, CSS and for real-time drawing on board used Socket.io
- Utilized Express.js server

Virtual Tweet Gallery ✏
Memory collection from tweets posted using specific hashtags
Tweet gallery is a project with 2 parts:
- A tweet bot that retweet & likes all tweets with a hashtag
- A virtual gallery website that contains random tweets that are trending on that hashtag
- Sponsored section gallery and live profile tweets from bot account also included in the site
- Bot made using Python, Tweepy, Website made using HTML, CSS, Vanilla JS

Restaurant Menu ✏
- Restaurant Menu Website Made using React.js
- Multiple card/page implementation on single page

What's Weather there? ✏
- A weather check app made using React,
- Used openweathermap api for fetching weather and data of different cities worldwide.

Automated GeoLocation Scrapping ✏
Extracting geolocations of all nearby restaurants from a given location and updating in Csv file on *GrabFood* ✏ .
- This was the most exciting and challenging project for me because there's only *calculated distance from the location given on website, but not the actual Coordinates*.
- Made using *Selenium, Python*

SKILLS

Java, **CPP**,
Python (*Image Processing OpenCV Numpy Pandas Scrapy Selenium*),
Blockchain (*solidity*),
Web Devlopment (*HTML CSS JS React.js Express.js Node.js Selenium Socket.io WebRTC*),
DBMS (*MYSQL MongoDB*), **CLI/Tools** (*Git Github*), **Linux**

COMMUNITY

Web3Panjab
Focusing on promoting web dev and web3 to tier 2/3 cities and colleges through hands on session.
Had conducted 3 offline sessions till now on different blockchain topics

Chapter lead, CoinDCX
Chandigarh Local Chapter Lead
09/2022 – present | Chandigarh, India
Organising Web3Panjab community and being active in communities had given me the opportunity to became Local chapter lead of CoinDCX from Chandigarh.