Varchasva Singh

vsingh5$_b$e20@thapar.edu

 github.com/Varchasva1904

Thapar University , Patiala

 linkedin.com/in/varchasva-singh-301367191

EDUCATION

•**Thapar University, Patiala** — *2020-24*

Bachelor of Engineering in Computer Science and Engineering — CGPA: 9.22

•**City Montessori School - Senior Secondary** — *2020*

Council for Indian School Certificate Examinations(I.S.C) — Percentage: 97.5

TECHNICAL SKILLS AND INTERESTS

Languages	: C/C++, Python, Javascript, HTML+CSS
Databases	: Relational Database(mySql)
Developer Tools	: VS Code, Jupyter, Colabotary, Anaconda, MS-Office
Relevant Coursework:	Data Structures & Algorithms, Object Oriented Programming, Database Management System,Machine Learning
Areas of Interest	: Machine Learning, Data Analytics, Web Design and Development.
Soft Skills	: Problem Solving, Leadership, Conflict Management, Communication, Quantitative Aptitude, Data Interpretation, Logical Reasoning, Statistics
Languages	: English, Hindi

PERSONAL PROJECTS

•**Snap Sorcery**

HTML, CSS, JS

- Intuitive web app for hassle-free and powerful photo editing.
- Implemented a comprehensive array of advanced editing features on the website, including brightness, contrast, saturation, and more, providing users with a versatile and customizable editing experience resulting in enhanced photo quality and visual appeal.

•**IPL Guru**

Python, StreamLit, sklearn

- It is a cutting-edge machine learning model deployed with a user-friendly GUI .
- Trained on 5 years of IPL data, users can input target runs, current score, overs played, and wickets lost.
- The ML model then calculates winning odds for both teams.

•**SortSafari**

HTML, CSS, JS

- Interactive web tool that enables users to comprehend different sorting algorithms visually.
- Users can create arrays of various sizes and select methods like Bubble Sort, Selection Sort, Merge Sort, and more.
- Users can view the process in real-time with customizable speeds and step-by-step graphics for each algorithm.

•**RSA Wizard**

Python

- RSA Wizard is a powerful Python script that brings the security of RSA encryption and decryption to users' fingertips.
- The encryption process involves generating large prime numbers and their products, making it computationally infeasible for attackers to factorize the keys and break the encryption.

CERTIFICATES

- NLP: Twitter Sentiment Analysis: Coursera
- Natural Language Processing with Classification and Vector Spaces: Coursera
- Build Data Analysis tools using R and DPLYR: Coursera

ACHIEVEMENTS

TIET Merit Based Scholarship: Got the scholarship for being among the top 10 % in my branch for the Academic Year 2022-23

Group Representative: Elected as the group representative, adeptly coordinating and bridging communication between students and teachers to ensure efficient scheduling of classes)