

SAGAR PANDEY

Enthusiastic, Computer Science student with proven capabilities, who likes to take initiative and seek out new challenges. Written over 50,000 lines of code.



sagarpandey7742@gmail.com



+91 -8126197040



sagarpandey7742.github.io



Ahmedabad, Gujarat, India



EDUCATION

July 2018-
Present

B. Tech Computer Science and Engineering

Vellore Institute of Technology, Chennai CGPA: 9.11/10

XII (Senior Secondary)

Aryaman Vikram Birla Institute of Learning Haldwani 95.4%

PERSONAL PROJECTS

Flask Blog Website

- Developed a full feature responsive web app that can handle multiple user's data regarding account and posts.
- Enforced measures for privacy and data leak to other users
- Supports pagination, password hash, custom errors, email sending

Pupil and Iris Detection

- Segmenting the pupil and iris region** from the image of an eye, worked 7 out of every 10 tests.
- Used Python, OpenCV and Tkinter for GUI

Published Paper on Enhanced Data Compression

- IEEE** International Conference on Emerging Trends in Information Technology and Engineering, Vellore. Conference ID 47903.
- Research work on various compression algorithms and analysis of their efficiency.
- Devised new Compression algorithm**, with better efficiency using a 36 base encoding method.

Google Play Store Data Analysis

- Detailed analysis of dataset using various techniques to predict the number of expected downloads and rating for an app.
- Used algorithms like KNeighbor, Random Forest, Tree Regression to achieve an **accuracy of 92.5%**.

Bookhub: A book info reading app

- Display the list of popular books. See the full description of each book. User can add a book to favorites.
- Has other screens such as a Profile page, about app.
- API integration

Portfolio Website

- Made my own fully responsive portfolio website from scratch
- Used HTML, CSS, JavaScript, jQuery
- Written over 1000 lines of code

OTHER ACHIEVEMENTS

Won Google Foobar Challenge - Level 5

LANGUAGES

English – Fluent

Hindi – Bilingual/Native

SKILLS

Python	●	●	●	●	●
Data Structures	●	●	●	●	○
Analytical/ Problem-solving	●	●	●	●	○
C++	●	●	●	●	○
HTML	●	●	●	●	●
CSS	●	●	●	●	○
JAVA	●	●	●	○	○
My SQL	●	●	●	○	○

ACHIEVEMENTS

- 4 Star (Rating 1807) at [Codechef](#)
- 6 Star Problem Solving, 5-star Python [Hackerrank](#)
- [Hackerearth](#) Rating 1460

CERTIFICATES

- HackerRank Problem Solving (Intermediate) [Certificate](#)
- HackerRank Problem Solving (Basic) [Certificate](#)
- HackerRank Python (Basic) [Certificate](#)
- Android App Development [Certificate](#)

VOLUNTEER EXPERIENCE

OWASP Student Chapter - Student Outreach Program - Increased awareness among 500 school children regarding cyber security by giving demonstrating a social engineering attack.

PALS VITC - Content Department head

Trekking Club - Helped organize a cyclothon and marathon during the college fest, which included setting up the track and handling the final registration process

INTERESTS

- Poetry
- Trekking
- Sketching