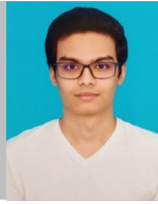


# SAGAR PANDEY



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sagarpandey7742.github.io



Haldwani, Uttarakhand



## EDUCATION

July 2018-  
Present

### B. Tech Computer Science and Engineering

Vellore Institute of Technology, Chennai CGPA: 9.09/10

### XII (Senior Secondary)

April 2017-  
May 2018

Aryaman Vikram Birla Institute of Learning 95.4%  
Haldwani

Jan 2022-  
Present

## WORK EXPERIENCE

### Credit Fraud and Risk Analyst – American Express

Responsible for developing and monitoring **statistical models** predicting credit risk and fraud risk.

Dec 2020-  
Mar 2021

### Software Developer Engineering Intern – Aero Telcom Solutions Pvt. Ltd

Worked with **python** frameworks for web scrapping and automation like **selenium**, **Scrapy**, **beautiful soup** and **UiPath**. Scrapped 100+ websites.

## PERSONAL PROJECTS

Flask Blog Website [Link](#)

- Developed a full feature responsive **Flask** 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 [Link](#)

- 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 [Link](#)

- **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 [Link](#)

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

## SKILLS

### Proficient

Python, Data Structures-Algorithms, Problem-solving, C++, HTML, My SQL, Machine Learning, Django, Selenium, MongoDB

### Familiar

JAVA, My SQL, CSS, Node JS, Java Script, Penetration Testing, CUDA, OpenMP

## ACHIEVEMENTS

- 4 Star (Rating 1807) at [Code chef](#)
- 6 Star Problem Solving, 5-star Python [HackerRank](#)
- [Hacker earth](#) Rating 1460
- Won Google FooBar Challenge - Level 4

## 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

- Freelancing
- DS Algo
- Sketching

## LANGUAGES

English – Fluent  
Hindi – Bilingual/Native