

Sandesh Singh

Junior Year | Mechanical Engineering | IIT Jodhpur
singh.81@iitj.ac.in | (+91) 9987557785 | sandesh1013.github.io/MyPortfolio

EDUCATION

IIT JODHPUR

B.TECH IN MECHANICAL ENGG.

DEPARTMENT RANK: 1

CURRENT CGPA: 8.58 / 10

May 2023 | Jodhpur, India

THAKUR VIDYA MANDIR

CLASS 12 | HSC

PERCENTAGE: 88.15%

May 2019 | Mumbai, India

THAKUR INT'L. SCHOOL

CLASS 10 | ICSE

PERCENTAGE: 95.5%

May 2017 | Mumbai, India

SKILLS

LANGUAGES

Proficient:

- Python • C • C++
- Dart • HTML • CSS

Familiar:

- Java • Javascript • Solidity
- Matlab • GraphQL • Latex

DEVELOPMENT

- Django • Flutter • Vue.js
- Git • Firebase • Adobe XD

OTHER SKILLS

- Competitive Programming
- Solidworks • AutoCAD
- Public Speaking • Debating
- Webinar Host • Quizzing

LINKS

Portfolio://[Sandesh1013](#)

GitHub://[Sandesh1013](#)

LinkedIn://[Sandesh Singh](#)

CodeForces://[Sandesh1013](#)

COURSEWORK

UNDERGRADUATE

Introduction To Computer Science

Introduction to Machine Learning

Data Structures and Algorithms

Linear Algebra

Signals and Systems

Scientific Computations

MOOC'S

Flutter and Dart-The Complete Guide

Responsive Web Design

Django Developer Bootcamp

Ethereum and Solidity*

EXPERIENCE

LUMENCI | APPRENTICE-PRODUCT

May 2021 - July 2021 | Django, Python, Javascript

- Added multiple intelligence features using **NLP and ML techniques** across products leading to effective results whilst integrating features to the backend system in **Django**.
- Ensured functionalities remain stable for release by integrating **Google Cloud Platform**.
- Improved and debugged the current frontend of products using **HTML/CSS along with Bootstrap** Framework, leading to a seamless interface.

STOPSTALK APP | **FLUTTER DEVELOPER** **DOWNLOADS:400+ | RATING:4.8**
November 2020 - June 2021 | Flutter, Web2py | [GitHub](#)

- Collaborated with StopStalk,a Sport Programming website with **30K+ active users** ,to publish a **dynamic multi-functional cross-platform app** on the **Google Play Store**.
- Developed multiple dynamic screens with **real time JSON data updates** including the recommendations screens and the searching/adding friends screen whilst creating various reusable components throughout the application with **excellent UI/UX**.

PROJECTS

AFFLUENCE DETERMINATION FROM SOCIAL MEDIA | FLIPKART GRID

July 2021 - Present | Python,API's,ML Libraries | [Drive](#)

- Qualified in a team of 3 to conceptualise and design an **efficient metric for Credit Score evaluation** using **statistical signals** extracted from various social media accounts.
- Researched for **optimized attribute weightage**,offering solution consisting of multiple classifiers gauging user sentiments and demographics leading to a voting classifier.

TECHNICAL INDICATORS METRIC | FINANCIAL ANALYSIS PROJECT

July 2021 - Present | Python, Excel

- Studying and Analysing various **technical Indicators** and applying various **quantitative techniques** including ML applications to define metrics for prediction of markets.
- Implementing window of profit/loss and calculating total profit/loss over a period of time to judge algorithm's efficiency.

POWERBANK RENTAL SYSTEM | ENGINEERING DESIGN PROJECT

September 2019 - July 2020 | Solidworks, Flutter, Arduino | [Drive](#)

- **Led a team of 8 members** to conceptualise and work on a complete rental system for power banks(similar to Yulu in concept) and prepared the **preliminary business model**.
- Implemented a **visual 3D render using Solidworks** for the hardware components and draughted a mobile application for the entire system.

ACHIEVEMENTS

2021 **Department Rank-1** of Mechanical branch across 4 semesters

2021 Only student to receive **A(Outstanding)** out of 125+ in **Data Structures and Algorithms**

2020 **2nd place** in **Institute Summer Challenge** on a research paper on WASH

2019 **JEE-19:** Among top 0.6% percentile of 1.3 million Applicants in JEE- 2019

2019 **12th HSC:** Top 1% of Maharashtra HSC examination

POSITIONS OF RESPONSIBILITY

2021-Present **Overall Head** of the **Entrepreneurship Cell**, IIT Jodhpur

2021-Present **Scrum Master** at Devlup Labs,open-source organisation at IITJ.

2021-Present **Representative** of the Career Development Cell IIT Jodhpur

EXTRACURRICULAR

Represented IIT J in the **Quizzing Team** and **Parliamentary Debate** at the Inter-IIT Cult. Meet.

Hosted several events including Ignus, IIT J's Cultural fest and Spandan the Intra-College fest.

A member of IIT Jodhpur's **Table-Tennis** team