Sandesh Singh

Sophomore | Mechanical Engineering | IIT Jodhpur
singh.81@iitj.ac.in | +91-9987557785

EDUCATION

IIT JODHPUR
B.Tech in Mechanical Engg.
Department Rank: 1
Current CGPA: 8.51 / 10
May 2023 | Jodhpur, India

THAKUR VIDYA MANDIR
Class 12 | HSC
Percentage: 88.2%
May 2019 | Mumbai, India

THAKUR INT'L. SCHOOL
Class 10 | ICSE
Percentage: 96.8%(agg.)
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

GitHub:// **Sandesh1013** ↗
LinkedIn:// **Sandesh Singh** ↗
CodeChef:// **sandesh77** ↗
CodeForces:// **Sandesh1013** ↗

COURSEWORK

UNDERGRADUATE
Introduction To Computer Science
Linear Algebra
Calculus and Differential Equations
Introduction to Machine Learning
Data Structures and Algorithms
Scientific Computations

MOOC'S
Flutter and Dart-The Complete Guide
Responsive Web Design
Django Developer Bootcamp
Ethereum and Solidity*

EXPERIENCE

STOPSTALK APP | Flutter Developer
November 2020 - Present | GitHub ↗
- Collaborating with the popular Sport Programming website-StopStalk,to develop and publish a cross-platform mobile application.
- Implemented searching functionalities,dynamic problem recommendation by querying from a Firebase backend and JSON for realtime updates.
- Developed many frontend components and screens to provide excellent UI/UX.
- Tech-stack:**Flutter,Firebase,Web2py**

PROJECTS

SEQUENTIAL FEATURE SELECTION | Course Project
December 2020 - January 2021 | GitHub ↗
- Analysis and self-implementation of Bayesian Network Classifiers versus K-NN Classifier using Sequential Feature Selection.
- Tech-stack:**Python,Scikit-Learn**

LOKALITE | Junior Flutter Developer
May 2020 - July 2020 | GitLab ↗
- Helped develop a market-ready App to provide communication,information and more between shops and restaurants, directly to the consumer.
- Created multiple UI components and worked/tested with a backend system.
- Tech-stack:**Flutter,Django**

DEVLUP LABS PORTFOLIO ↗ | Developer
April 2020 - July 2020 | GitHub ↗
- Developed a dynamic progressive Web-App for DevlUps Labs,the Open Source Community at IITJ and oversaw future extensions on the project.
- Implemented automation by fetching information from various API's and dynamically rendering them with a Javascript Framework design.
- Tech-stack:**Vue.js,Vuetify,Javascript**

POWERBANK RENTAL SYSTEM | Engineering Design Project
September 2019 - July 2020 | Drive ↗
- Led a team of 8 members to conceptualise and work on a complete rental system for power banks(similar to Yulu in concept).
- Implemented a visual 3D render using Solidworks for the hardware components and draughted a mobile application for this system.
- Tech-stack:**Solidworks,Flutter,Arduino**

ACHIEVEMENTS

2020	**Institute Summer Challenge** ↗: 2nd place 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** for the year 2021
2020-Present	**Student Guide** of the **Student Wellbeing Committee, IIT Jodhpur**

EXTRACURRICULAR

Core Member, DevlUp Labs an open-source organisation of IIT Jodhpur.
Represented IIT J in the **Quizzing Team** and **Parliamentary Debate** at the Inter-IIT Cult. Meet.
Quiz Club Moderator for 2020-21,having won several college-level Quizzes.
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