Sandesh Singh

Junior Year | Mechanical Engineering | IIT Jodhpur
singh.81@iitj.ac.in | (+91) 9987557785

EDUCATION

IIT JODHPUR
B.Tech in Mechanical Engg.
Department Rank: 1
Current CGPA: 8.58 / 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
Signals and Systems
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

LUMENCI | Summer Internship
May 2021 - Present | Django, Python, Javascript
- Added multiple intelligence features by 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 Angular.js** Framework, leading to a seamless interface.

STOPSTALK APP ⬀ | Flutter Developer
November 2020 - May 2021 | Flutter, Web2py | GitHub ⬀
- Collaborated with the popular Sport Programming website -StopStalk , to **publish a dynamic multi-functional cross-platform application** 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

SEQUENTIAL FEATURE SELECTION | ML Course Project
December 2020 - January 2021 | Python, Scikit-Learn | GitHub ⬀
- In-depth research followed by **analytical and quantitative comparison** between different **Bayesian Network Classifiers and K-NN Classifiers**.
- Self-implementation of said classifiers using Sequential Feature Selection.

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

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** 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