

Nishant Sarraff

Final Year(BTech) | Computer Science and Engineering | IIT Jodhpur
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Education

IIT Jodhpur

BTech in Computer Science & Engineering

Expected May 2022 | Jodhpur, India
Current **CGPA: 8.62/10** (up to 7th Sem)

Delhi Public School, Bhiwani

Board: CBSE | Class 12
May 2017 | Bhiwani, India
Percentage: **86.60%**

Vaish Sr. Sec. School

Board: HBSE | Class 10
May 2015 | Bhiwani, India
Percentage: **93.4%**

Coursework

Artificial Intelligence
Algorithm Design & Analysis
Computer Networks
Computer Organisation & Architecture
Data structure & Algorithm
Discrete Mathematics
Database System
Object-Oriented Analysis
Operating System
Software Engineering
Security & Applications

SKILLS

Frontend

HTML | CSS | JS | Django

Backend

NodeJS | TypeScript | Python | SQL | MongoDB

Others

C | C++ | Github | Gitlab | OpenCV | Scikit | MATLAB

HOBBIES

- Watching Anime
- PC Gaming
- Programming
- Table Tennis

LINKS

- Codechef://sarraff
- Leetcode://aggarwal_sarraff
- LinkedIn://nishant-sarraff
- Website: sarraff.github.io

Experience

Semusi Technologies | Software Internship

May 2021- July 2021

- Successfully developed a system that replaced the old, specific, and less efficient JavaScript codes into new, general, and more efficient TypeScript code
- Developed half of the pipeline setups, which include fetching & preparing templates from MongoDB, updating templates using consumer data, and sending the template to appropriate consumers over the appropriate channels.
- Integrated the whole project into one with the help of class functions, objects, and Rest APIs.

Projects

Driver Distraction Detection | BTech project

Dec 2020- March 2021 | **Guide: Dr. Debasis Das** | [GITHUB](#) [↗]

- Detected distraction behavior of the driver and labeled appropriate class
- Performed pre-processing operations on the dataset and produced feature matrix
- Implemented decision tree, random forest, Support Vector Machine, and VGG-Convolutional Neural Network classifier
- Drafted system designs in the framework of collection, controller, and classifier agent

Deep Fruit Classification | BTech project

Jan 2020- Aug 2020 | **Guide: Dr. Debarati Bhunia Chakraborty**

- Customized and trained a Convolutional Neural Network (CNN) architecture to detect and recognize the Fruits with higher accuracy.
- Used **Keras** for creating and training models with higher accuracy
- Technologies used: OTSU Thresholding, Trajectory estimation, color detection k-means clustering, Object kinematics

HR Recruitment system | Software Engineering Project

Jan 2020- July 2020 | **Guide: Dr. Suman Kundu**

- The system encompasses the entire recruitment process of human capital at IITJ.
- The project was done following **SDLC**.
- Principles used: SRS documentation, UML, SOLID, Unit testing, Design Patterns.

Awards & Achievements

- Selected for National Talent Search Examination in 8th class
- **Department Rank 1** in Electrical Engineering Department with CGPA 9.4
- Achieved JEE Advanced Rank - 5650 (Selected in top 0.5% all over India) among 1.2 million candidates
- Certified by Coursera to complete the 3-month Machine Learning Course

Positions of Responsibility

IGNUS Head | Cultural Fest

Dec 2019 - March 2020

- Appointed as IGNUS head of the Cultural fest at IIT Jodhpur
- The formulated course of actions, fest budget & multifaceted departmentalization

Captain | Fine Arts Club

Aug 2019 - April 2020

- Coordinated and managed year-round activities & competitions of the club at IIT Jodhpur.
 - Organized Fine Arts workshops.
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