



Saaransh Agarwal
Bachelor of Technology
in Mechanical Engineering
Indian Institute Of Technology, Ropar

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GitHub | Website
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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	8.62 (Till 6th Sem)	2018-2022
Minor in CSE	Indian Institute of Technology, Ropar	9.50 (Till 6th Sem)	2018-2022
Senior Secondary	Indian School Certificate Examination	93%	2017
Secondary	Indian Certificate of Secondary Examination	92.6%	2015

EXPERIENCE

- **MyHashCode** June 2021 - July 2021
Intern - Software Developer Bangalore, India
 - Part of the team working on project - **NFT MarketPlace for Rudra Band**.
 - Took ownership of the **Login/SignUp** Page UI.
 - Created React components for Login/Sign-Up page - Backdrop, Tabs, React Swipeable Views, Login form, and Signup form
 - Tech Involved: **HTML, CSS, React-JS**, and **Material-UI**.

PROJECTS

- **Faculty Leave Portal at Academic University** Mar 2021 - May 2021
DBMS(Dr.Viswanath Gunturi) Github
 - Faculty members can apply for a leave of absence, and Leave applications process through a series of concerned higher authority members to be approved, rejected, and redirected.
 - Director Portal has the option to appoint Dean and HOD.
 - Tech Involved: **Django, Bootstrap**, and **PostgreSQL**.
- **Social Media Platform for Teacher-Student** Sep 2021 - Present
Web Development Github
 - Teachers or Educators can post any articles and questions and students can like and comment the posts.
 - Students can follow Teachers.
 - Tech Involved: **Django, ReactJS**, and **Bootstrap**.
- **Predicting failure (leakage) time for Gas pipelines from historical data** Oct 2020 - Dec 2020
Deep Learning(Dr.Manish Agrawal) Github
 - Predict the gas pipelines' (primary) failure time based on input parameters like pipe material, pipe diameter, fitting material, and pipe joint coupling type.
 - To tackle with large data size, **embedding layer** and **batch normalization** is used.
- **Other Projects**
 - Educational Responsive Static Web Page.[[Website](#)]
 - Covid-19 Alert Software using **Tkinter** framework of python.[[Source Code](#)]
 - Implemented **Johnson's Algorithm** considering different data structures based heaps implementation - **Array, Binary Heap, Binomial Heap**, and **Fibonacci Heap** and analyzed their time complexities.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, HTML, CSS, Javascript, SQL
- **Frameworks:** Django, ReactJS, PostgreSQL
- **Coding Profiles:** Codechef([saaransh678](#)), Codeforces([Saaransh_Agarwal](#)), GFG([saaransh678](#))

KEY COURSES TAKEN

- **Computer Science:** Data Structure & Algorithm , Operating System, Databases, Data Mining, Deep Learning
- **Mathematics:** Probability and Statistics, Advance Calculus, Differential Equations, Linear Algebra

MISCELLANEOUS

- Rated **4-star** coder on **Codechef**. (Max rating: **1938**) [Handle: saaransh678]
- Certified in **Problem Solving (Intermediate)** by **HackerRank** [Certificate]
- Received **Codechef** Prize for being among Top **200** in August LunchTime 2021 2021
- Recipient of **Institute Merit Prize** awarded for academic excellence 2020
- Won 1st prize in **RoboSoccer** Championship 2018 at IIT Ropar 2018
- Successfully Completed **11Km IIT Ropar Run** in 2018. 2018