RISHABH

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Github: https://github.com/Rishabh626/

EDUCATION

Indian Institute of Technology,Delhi	New Delhi, India
Bachelor of Technology in Chemical Engineering; GPA: 7.06/10	*2021-present*
Rao Pahlad Singh Sr. Sec. School	Mahendergarh, Haryana, India
Class XII,Central Board of Secondary Education; Percentage: 92.8/100	*July 2020*
Rao Pahlad Singh Sr. Sec. School	Mahendergarh, Haryana, India
Class X,Central Board of Secondary Education; Percentage: 90.2/100	*July 2018*

SCHOLASTIC ACHIEVEMENTS

JEE Advanced 2021: All India Rank is 2288 among over **1 million candidates ;** conducted by **IIT Kharagpur**

JEE Mains 2021: Ranked in Top 1 percent of among over **1 million candidates ;** conducted by **National Testing Agency**

PROJECTS

Diabetes Detection Using AI and Micro-Technology   IIT Delhi
Course Project under Prof. Jayati Sarkar   *October 2022 - December 2022*
- Used Random forest classifier as a meta estimator that fits various decision trees to estimate the diabetics from various data given

Computing Solution of Chemical Equations   IIT Delhi
Course Project under Prof. Jayati Sarkar   *October 2022 - December 2022*
- Implemented Gauss elimination and Gauss Jordon methods for solving multiple linear chemical equations also analysing and increasing efficiency using Gauss Siedel and Jacobi iteration techniques
- Solving Multivariate Non-Linear Algebraic Equations of a CSTR using Newton Raphson Technique

Regression analysis and curve fitting   IIT Delhi
Course project under Prof. Jayati Sarkar   *October 2022*
- Analysing Data and computing the behaviour using Lagrangian and Newton's Divided Difference Interpolation Techniques
- Analysing the efficiency of various Interpolating methods through graphical analysis and curve fitting

Computing integration, Differentiation and Differential Equation Solutions   IIT Delhi
Course project under Prof. Jayati Sarkar   *August 2022*
- Computed and analysing efficiency of Trapezoidal and Simpsons's rule for the solution of integration in a Plug flow reactor problem
- Curve plotting and computing the Euler's and Crank Nicholson methods of Solving differential equations

Algebra of Boolean   IIT Delhi
Course project under Prof. Rahul Narain   *October 2022*
- Designed and Implemented several algorithms for addition, Subtraction, multiplication and comparison of Boolean in Python

COURSEWORK

Chemical Engineering:
Chemistry of Interfaces, Transport Phenomenon, Numerical methods in chemical engineering, Material and Energy Balance, Fluid Mechanics for chemical engineers, Materials Science and Engineering, Chemical Engineering Thermodynamics, Chemical Reaction Engineering

Mathematics Computer Science:
Calculus, Linear Algebra and Differential Equation ,Introduction to Computer Science

Miscellaneous:
Digital Electronics, Electromagnetism Quantum Mechanics, Principles of Electronic Materials, Intro. to Electrical Engineering, Intro. to Chemistry, Engineering Mechanics, Intro. to Engineering Visualization, Languages

TECHNICAL SKILLS

Programming Languages: Python, C, C++, MATLAB
Web Development Development: HTML, CSS, JavaScript
CAD Modelling Software: Autodesk Inventor
Other Software: Adobe Premiere Pro, Adobe Illustrator

POSITION OF RESPONSIBILITIES

Marketing Activity Head at Rendezvous'23   November,2022 – Present

IIT Delhi
- Worked with marketing team and interacted with Company officials to ensure best possible deals for the annual cultural festival of institution

Squash Vice-captain   October,2022 – Present

IIT Delhi
- Motivating and coaching 500+ Hostel residents and freshers to play Squash and other sports

Delivered in Cultural clubs like Dance, Drama, Debating Society, and Hindi Samiti.   IIT Delhi