

# Naman Hemrajani

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Pre-Final Year | Computer Science and Engineering | IIT Jodhpur  
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## EDUCATION

### IIT JODHPUR

#### B.TECH IN COMPUTER SCIENCE

May 2024 | Jodhpur, India

CURRENT CGPA: 8.11/10

### ST. EDMUND'S SCHOOL

May 2020 | Class 12 | Marks: 93.4%

### ST. ANSELM'S SCHOOL

May 2018 | Class 10 | Marks: 95.4%

## SKILLS

### LANGUAGES

- Python • C++ • C
- HTML • CSS • Javascript

### DEVELOPMENT

- React.js • REST APIs
- Node.js • Express.js
- MongoDB • git
- Bootstrap • ejs

### OTHER SKILLS

- Competitive Programming
- MERN stack Web Development
- Public Speaking

## LINKS

Portfolio://[NamanH](#)

Github://[NamanHH99](#)

LinkedIn://[Naman Hemrajani](#)

Codechef://[namanh99](#)

## COURSEWORK

### UNDERGRADUATE

Introduction to CS

Data Structures and Algorithms

Pattern Recognition and Machine

Learning

Probability, Statistics and Stochastic Processes

Software Engineering

Signals and Systems

Maths for Computing

Digital Design

### MOOCS

Full stack Web Development bootcamp

## EXPERIENCE

### MENTOR AND EDUCATIONAL CONSULTANT | PHYSICSWALLAH PRIVATE LIMITED | OCT 2021 - JAN 2022

- Given the responsibility of mentoring around 20 students for JoSAA counselling 2021 and more than 40 students for IIT-JEE 2022.
- My role was to solve students doubt related to their IIT-JEE preparation and report about the same on day-to-day basis to the teachers.

## PROJECTS

### GRAPH PATH FINDING VISUALIZER | SELF PROJECT | JUNE 2022 WEBSITE [🔗](#) | [📄](#)

- Developed a web application to find the path between two nodes in a maze of nodes including wall nodes and analyze different graph algorithms.
- Dijkstra Algorithm, DFS and BFS were used to find the path, in which Dijkstra gave the shortest path.
- Tech-Stack: Data Structures and Algorithms, ReactJS, HTML, CSS, JS

### MERN STACK E-COMMERCE SITE | APRIL 2022 - ONGOING | [📄](#)

- Developed a Full stack E-commerce shopping web application TrolleyFy with separate user and admin routes.
- The site consists of efficient CRUD operations, authentication authorization, payment gateway, product filtering, product reviews etc.
- Tech-Stack: ReactJS, NodeJS, ExpressJS, MongoDB.

### SOCIAL NETWORK ANALYSIS USING GAME THEORY

| PROF. RUHI SONAL | FEB 2022 - APRIL 2022 | [📄](#)

- Worked in a team to simulate the social media network formation and analyze its various situations, including Sequential Entry, Herd Behaviour, Bayes-Nash equilibrium, etc.
- Represented the networks using graphs and applied various graph operations to find the maximum payoff for different agents and thus find the equilibrium.
- Tech-Stack: C++, Graph Data Structure, Game Theory

### SORTING VISUALIZER | SELF PROJECT | JULY 2022 | [📄](#)

- Developed a Web application to visualize sorting algorithms by the help of bar plots.
- The algorithms visualized were bubble sort, heap sort, insertion sort, merge sort, quick sort, selection sort.
- Tech-Stack: Algorithms, HTML, CSS, JavaScript

## ACHIEVEMENTS

- Secured **Rank 3** after first year with CGPA **9.45**.
- Secured Branch Change after first year on merit basis from Chemical Engineering to **Computer Science**.
- Codechef: Highest rating of 1712 (3 star) and Division-2 Programmer.
- JEE-ADV 2020: Secured an AIR **10991**.
- JEE-ADV 2020: Secured an AIR **11088**.