

# Mayank Pratap Singh

20pe3019

B.Tech-Pre Final Year Petroleum Engineering Rajiv  
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## Educational Background

Degree/Exam	University/Institute	CPI/CGPA/%	YEAR
B.Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Jais	6.51 (up to 5 <sup>th</sup> Sem)	2020-2024
Intermediate/+2(UP Board)	Govt. Jubilee Inter College, Lucknow	71%	2020
Matriculation (ICSE Board)	Nirmala Convent Inter College, Lucknow	86%	2018

## Skills

- **Languages:** C++, C, HTML/CSS, JavaScript.
- **Frameworks:** React, Node.js, Bootstrap
- **Tools:** Git, GitHub, VS Code, AutoCAD, Canva, Photoshop, Illustrator and MS Office.
- **Soft Skills:** Leadership and Teamwork, Designing and Event Management

## Projects

1. **Pathfinding Visualization Tool-** Utilized Create **React** App to **bootstrap** a project that featured a visual representation of multiple pathfinding algorithms, including **Dijkstra's Algorithm**, **A\* Search**, **Greedy Best-first Search**, **Swarm Algorithm**, **Convergent Swarm Algorithm**, **Bidirectional Swarm Algorithm**, **Breadth-first Search**, and **Depth-first Search**. [link](#)
2. **Chat AI-** Developed and deployed a **Chat GPT AI** application for coding assistance, leveraging the advanced **GPT3 API** to answer questions related to **JavaScript and React JS**, as well as translate code into other languages. Built a **Vanilla JavaScript** project using **Viet** and incorporated **node.js** for the server-side. Implemented a responsive layout using **CSS** and utilized JavaScript to handle events. [link](#)
3. **NewsFlash-** developed a fully responsive, multi-page project utilizing **HTML**, **CSS**, and **JavaScript**, which included advanced features such as a theme toggle switch and a responsive carousel created using the Swiper library. [link](#)
4. **Portfolio-** Developed a fully functional and responsive portfolio website using **React**-based technologies, including **Hooks and Class-based Components**. Implemented advanced features such as emailJS for seamless email communication and a smoke effect for visual engagement. [link](#)

## Awards and Achievements

1. Achieved an OBC rank of 8244 in JEE Advance 2020.
2. Completed over 200 DSA problems on Geeks for Geeks.
3. Attained a 2-star rating as a coder on Code Chef.
4. Emerged as the winner of the social media contest for the Switch Energy Case competition.

## Leadership / Extracurricular

1. **Publicity Head** at SPE RGIPT Student Chapter, leveraging social media and digital communication skills.
2. Created event designs as a past **Designing Executive** for the AAPG Student Chapter.
3. **Content Writing Executive** for SEG Student Chapter: Created engaging digital content.