





# VAIBHAV SINGH

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## Education

### National Institute of Technology,Kurukshetra

2020-2024

*Bachelor of Technology in Electronics and Communication Engineering*

*CGPA:8.86*

### R.S.M International school,Jodhpur

2020

*Senior Secondary(XII)*

*Percentage:92.4*

## Technical Skills

- **Programming Languages:** C, C++, JavaScript, HTML/CSS,Bootstrap
- **Frameworks tools:** NodeJS, ReactJS,Git,Visual Studio Code
- **Databases:**MongoDb,SQL
- **Others:**Object Oriented Programming, Operating System,Data Processing and ETL  
Data Structures and Algorithms, Analytical and Problem Solving, Computer Networks

## Soft Skills

- **Team Collaboration:** Collaborating with cross-functional teams
- **Communication:** Effective communication of technical concepts
- **Adaptability:**Willingness to learn new technologies

## Achievements

- Solved 600+ DSA based questions on **LeetCode,Codechef,Codeforces**.
- **Departmental Ranker** in 1st Semester with a SGPA of **9.8636**.
- Codeforces Specialist with max rating of 1402
- Achieved a Global Rank of 76 in starters **Codechef** Conetest.(Div 2)

## Experiences

### Medical Insurance Cost Prediction. | *Python,HTML/CSS, linear Regression Model*

- Developed an innovative Flask-based web application empowered by Python's Artificial Intelligence capabilities, enabling accurate predictions of an individual's medical insurance costs with precision and efficiency.Implemented robust data pipelines and ETL processes to gather and preprocess diverse data sources.
- It initiates by gathering diverse data, including health records, age, lifestyle details, and insurance history. This data undergoes thorough cleaning and standardization to ensure quality for analysis.It is then trained using Linear Regression Model.The trained AI model is seamlessly integrated into a Flask-based web application. This user-friendly platform enables individuals to input their information, and in return, it promptly delivers an estimated medical insurance cost.

## Projects

### Food Ordering Website | *Html, CSS, JavaScript,ReactJS,NodeJs,MongoDb,Data Pipelines and ETL*

- Developed a comprehensive web application using the MERN stack (MongoDB, Express.js, React, and Node.js), focusing on creating an efficient and powerful food-ordering website. The project encompasses the entire development lifecycle, from backend server setup to frontend user interface, demonstrating proficiency in data pipelines, real-time updates, and problem-solving.

### Social Media App | *Html, CSS, JavaScript,ReactJS,NodeJS,MYSQL*

- Developed a comprehensive MERN stack web application, demonstrating proficiency in data pipelines, real-time updates, and problem-solving. React's component-based architecture facilitates the development of reusable and modular UI elements, crucial for a complex application like a social media platform.mplement the backend using Node.js to handle server-side logic and API endpoints. Use MySQL as the database to store and manage user data, posts, comments, and other relevant information.

## Extra Curricular

**MAD(Managing and Directing club),NIT KKR:**External Publicity Head of MAD

**Freaks:** Active Member of freaks(Acting crew of NIT,Kurukshetra)

**eSP Nitkkrr::** (Co-founder) Organised and managed various gaming events during Tech-fest.