

## Mahendra Kumar

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Aspiring pre-final-year B.Tech Computer Science (Data Science) student with strong programming and analytical skills, experienced in machine learning and data visualization. Passionate about applying technical expertise to real-world challenges and driving innovative, data-driven solutions

### Education

B.Tech, Computer Science & Engineering (DataScience)	2023-2027
Lamrin tech skills University, Pursuing 12 <sup>th</sup> (Senior Secondary Examination)	2022
CBSE Board, 85% 10 <sup>th</sup> (Secondary Examination)	2020
CBSE Board, 89.88%	

### Technical Skills

- **Programming Languages:-** C++, Java, DSA with Java, Python, Prompt Engineering
- **Database:-** SQL, MongoDB,
- **Tools:-** Data-analytics(Numpy,Pandas,Matplotlib) , Tableau, Power Bi, Excel,Machine Learning

### Projects

#### 1. Heart Disease Prediction(Classification)

- Built a machine learning classification model to predict heart disease risk using patient health data.
- Performed data preprocessing, feature scaling, and model persistence for reliable predictions.
- Deployed an interactive web application using Python, Scikit-learn, KNN, Streamlit, Pandas, NumPy.

#### 2. Insurance Cost Prediction(Regression)

- Developed a regression model to estimate medical insurance costs based on demographic and health factors.
- Implemented data encoding, model training, and evaluation to achieve accurate cost predictions.
- Deployed the model as a web app using Python, Scikit-learn, Linear Regression / Random Forest, Streamlit, Pandas, NumPy.

#### 3. Smart maintenance system for predictive asset

- Implemented a Smart Maintenance System leveraging predictive analytics to monitor assets and optimize maintenance scheduling

### Certification and Workshop

- One Month of Java Training Program (Certification)
  - One Month of Power Bi Certification
  - Deloitte Data Analytics Job Simulation with Forage
  - Machine Learning Workshop
- July-August 2024

### Achievements

- Secured All India Rank 162790 (82.20%ile) in JEE 2022
- Represent a research paper – International Conference on Research Trends in Mathematics And Data Science ICRTMDS-2024

### Extra-curricular Activities

- One time AIU player in WOSHU.
- Hobbies include reading Books, Coding ,learning new technology ,Playing Cricket, Doing Yoga.

### Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.  
Mahendra Kumar