

# HITESH KUMAR

MERN Stack developer and Automotive Engineer

 [hiteshk.dev](https://hiteshk.dev)  [GitHub](#)

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An enthusiastic automotive engineer and self-taught developer, having exposure in MERN stack and cloud technologies looking to join a resilient team to leverage my skills and contribute to the organisation's growth and sustainability.

## SKILLS

Problem-Solving

Python

HTML

CSS

JavaScript

Node.JS

MATLAB

MongoDB

C++

Express

Git

React

SQL

Heroku

Lunacy

## EDUCATION

**MTech. Automotive Engineering,**  
Amrita School of Engineering,  
Coimbatore (2020 - 2022)  
**CGPA:** 9.2/10.0

**BE. Mechanical Engineering,**  
Priyadarshini College of  
Engineering, Nagpur (2016 - 2020)  
**CGPA:** 8.75/10.0 (Distinction)

**XII (CBSE)** – 81.4%  
**X (CBSE)** – 9.4/10

## ACHIEVEMENTS

**Silver Medal**  
MTech. Automotive Engineering  
Amrita School of Engineering,  
Coimbatore.

## LANGUAGES

Python, JS, C++

## TOOLS

Lunacy, VS Code, PyCharm, Code-  
Blocks, GitHub, IPG Carmaker

## CLOUD

Render, Railway, Heroku, IBM Cloud


## FRONT-END

React, HTML, CSS, Bootstrap, Font-  
Awesome, Sass

## BACKEND


Nodejs, Express, MongoDB, SQL


## PROJECTS


**Password Decryption** *Python, Virtual Experience Sept. 2022*   
- Participated in virtual experience program on Forage platform  
- Decrypted passwords from leaked database MD3, MD4 & MD5


**Prediction of Emissions using Microsimulation of Traffic Data using Machine Learning** *Masters Project*


- Integrated **SUMO** with **Python** using **Traci**
- Generated hourly count of vehicles using **YOLOv3** and **COCO**
- Proposed computational method to predict emissions in a city

**Sorting Visualiser** *React*   
- Created a sorting visualiser for various sorting algorithms like  
Bubble Sort, Insertion Sort, Selection Sort etc.

**React Calculator** *React*   
- Developed a Calculator using React, Html and CSS.

**Language Translator** *Python, IBM-Cloud*   
- Created Language Translator using IBM Cloud Watson Language  
Translator API using Python

**URL-Shortener** *Nodejs, JSON DB, CSS, HTML*   
- Developed a website to shorten long URL's.

**Search Pics** *React*   
- Created a web app using react to search pictures.

## CERTIFICATIONS

**IBM Full Stack Software Developer by IBM Skills Network - Coursera**

**Python for Everybody by University of Michigan - Coursera**

**Legacy Full Stack Certification by FreeCodeCamp.org**