

# Deepak Kumar

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## EDUCATION

- National Institute of Technology, Silchar** Silchar, India  
*Bachelor of Technology - Computer Science and Engineering ; GPA: 9.07* July 2019 - June 2023  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*
- Brilliant Public School, Jehanabad** Jehanabad, India  
*Higher Secondary Education - Science ; Percentage: 87.60* 2017 - 2019  
*Courses: Physics, Chemistry, Mathematics*
- Jawahar Navodaya Vidyalaya, Jehanabad** Jehanabad, India  
*High School Education - General ; CGPA:9.20* 2012 - 2017

## SKILLS SUMMARY

- Languages:** Python, C++, JavaScript, SQL, JAVA
- Frameworks:** Scikit, NLTK, TensorFlow, Keras, NodeJS
- Tools:** GIT, MySQL, StarUML
- Platforms:** Linux, Web, Windows, GCP
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## EXPERIENCE

- SERB Summer Research Internship** Silchar, India  
*Research Intern* May 2022 - July 2022
  - Optimisation Algorithms:** ALO, GWO, MFO, SaDE, SCA, WOA.
  - Functions Used:** Standard Benchmark Functions.
  - Algorithms Ranking:** Based on Convergence Curve & Based on ProblemWise.

## PROJECTS

- Vehicles CO2 Emission Prediction :** Web Application based machine Learning model to predict amount of CO2 emission from vehicles in(Gram/KM) .Main aim of this project is to provide a platform to check CO2 Emission from vehicles.  
Techs Stacks: Python, SciKit Learn, TensorFlow, Node.JS, React (May 2022 - July 2022)
- ChatBot Application:** Web Application based Chatbot that is made to be the perfect partner to promote new products and send proactive notifications. They offer immediate assistance to our potential customers. Chatbots are available 24/7 to help customers. Implementing a Chatbot with conversational AI is a great way to automate customer service.  
Techs Stacks: Python, NLP, Node.JS, React (April 2022)
- Personal Portfolio:**  
Techs Stacks: Node.JS, React, Express.JS (April 2022)

## TRAINING AND WORKSHOPS

- Machine Learning Training:** One month online Training, started with Python in-depth and then carried off with OOPS, Supervised ML, Unsupervised ML, Data Visualization Finally trained and built Models got better results with high accuracy.  
TechStacks: Python, Numpy, Pandas, Tensorflow (May 2021)
- Data Science Training:** An online Training, started with Python required for Data Science, followed by Classification Regression models, Representation Learning, Building training models using python libraries and In-depth Intuition on Loss Functions, Gradient Descents. (June 2021)

## ACHIEVEMENT

- A 30 Days of Cloud Program including Cloud Computing, Big Query ,Deployment to Kubernetes etc using Google Cloud's training platform called Qwiklabs.(September 2021)
- Solved 400+ Competitive Programming Problems on Leetcode, Codeforces, Hackerearth Platforms

## INTERESTS

- : Blockchain, Natural Language Processing, Deep Learning

## VOLUNTEER EXPERIENCE

- Gyansagar** Silchar, India  
*Conducted online and offline classes for 1000+ unprivileged students and mentored them.* ,