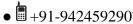
# SHUBHANSHU TRIPATHI

M.Tech. (CSE) | CGPA: 8.06 | Birla Institute of Technology, Mesra | 2018-2020

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#### SKILLS

• Python

• C++

Data Structures

Algorithms

Machine Learning

Markdown

### THESIS WORK

**Title:** Diabetes Prediction using Machine Learning (Github URL: bit.ly/dbtspred)

Languages: Python 3, Markdown

**Software:** Jupyter Notebook (Anaconda)

• Achieved up to 81.6% accuracy on Pima Indians Diabetes Database with Random Forest classifier in Diabetes Prediction

- Applied and analysed accuracies of "K-Nearest Neighbors, Support Vector Machine, Decision Tree and Random Forest" classification algorithms for diabetes prediction
- Achieved up to 7.04% improvement in the accuracy of Decision Tree classification algorithm for **Diabetes Prediction**
- Predicted missing values present in the dataset using a set of "Linear Regression, Support Vector Regression, Decision Tree and Random Forest" regression algorithms
- Performed Dataset Balancing using **SMOTE** algorithm and then **Feature Scaling**

#### PROJECT WORK

Title: CoWIN Vaccine Notifier (Github URL: bit.ly/covantf)

**Languages:** Python 3, Markdown

**Software:** Jupyter Notebook (Anaconda)

- Developed a Python notebook to notify user as soon as desired Covid Vaccine is available on CoWIN website for booking
- Implemented 4 dynamic filters on the Vaccination calendar received as a JSON response from **Co-WIN API**
- Helped more than 30 people to get Covid Vaccines using this notifier

## **CERTIFICATIONS**

- Completed "Complete Python Bootcamp" course from Udemy (Certificate URL: bit.ly/pyud)
- Passed "Basics of Data Science and Machine Learning" course from Coding Ninjas (Certificate URL: bit.ly/dscmlcn)
- Passed "Object Oriented Programming Using C++" course from NIIT (Certificate URL: bit.ly/cppniit)

#### **ACHIEVEMENTS**

- Earned Silver badge (3/5 stars) in Python and C++ on HackerRank
- Qualified GATE (CS) exam organised by Indian Institute of Science (IISc), Bangalore