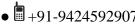# SHUBHANSHU TRIPATHI

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

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OBJECTIVE

To utilize my core technical competencies and skills & act as a solution finder for organizational and individual growth

SKILLS

- Java
- C++
- Data Structures
- Algorithms
- Python
- Machine Learning
- Markdown

THESIS WORK

Title: Diabetes Prediction using Machine Learning (Github URL: bit.ly/dbtspred)
Languages: Python 3, Markdown
Software: Jupyter Notebook, Google Colaboratory

- Achieved **81.3% accuracy on Pima Indians Diabetes Database** with Random Forest classifier
- Applied and compared accuracies of "**K-Nearest Neighbors, Support Vector Machine, Decision Tree** and **Random Forest**" classification algorithms for diabetes prediction
- Achieved an **improvement of 5.5% in the accuracy of the Decision Tree** classification algorithm
- 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

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

This Resume was updated on: 23 July 2021

Please visit shubhanshutrip.com to check the updated Resume and detailed Portfolio