

# 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](https://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](https://bit.ly/pyud)
- Passed “**Basics of Data Science and Machine Learning**” course from Coding Ninjas  
Certificate URL: [bit.ly/dscmlcn](https://bit.ly/dscmlcn)
- Passed “**Object Oriented Programming Using C++**” course from NIIT  
Certificate URL: [bit.ly/cppniit](https://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
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This Resume was updated on: 24 Aug 2021

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