

SHUBHANSHU TRIPATHI

Analyst / Software Engineer | Capgemini | Mar 2022 - Present

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

 contact@shubhanshutrip.com •  shubhanshutrip.com •  [shubhanshutrip](https://www.linkedin.com/in/shubhanshutrip) •  +91-9424592907

SKILLS

- Python
- Machine Learning
- DBMS, SQL
- HTML
- Amazon Web Services (AWS)
- CSS

THESIS WORK

Title: Diabetes Prediction using Machine Learning (Github URL: [bit.ly/dbtspred](https://github.com/shubhanshutrip/dbtspred))

Languages: Python 3, Markdown

Software: Jupyter Notebook (Anaconda)

- Achieved up to **81.6% accuracy in Diabetes Prediction** on Pima Indians Diabetes Database with Random Forest classifier
- 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 applied **Feature Scaling**

PROJECT WORK

Title: CoWIN Vaccine Notifier (Github URL: [bit.ly/covantf](https://github.com/shubhanshutrip/covantf))

Languages: Python 3, Markdown

Software: Jupyter Notebook (Anaconda)

- Developed a Python notebook to **notify the user, as soon as any 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)

ACHIEVEMENTS

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