# SHUBHANSHU TRIPATHI

Analyst (Software Engineer) | Capgemini | Mar 2022 - Present

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

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## SKILLS

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

## 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 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)
**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 & ACHIEVEMENTS

- Passed "**AWS Certified Cloud Practitioner**" certification exam by **Amazon Web Services** (Certificate URL: bit.ly/stawsccp)
- 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)
- Qualified **GATE (CS)** exam organised by Indian Institute of Science (IISc), Bangalore
- Earned **Silver badge (3/5 stars) in Python** on HackerRank