

# ANOOP GANESH MUSALE

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## SKILLS

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- **Programming Languages:** C, Java, Python.
- **Databases:** MySQL, PostgreSQL, MongoDB.
- **Web Technologies:** HTML, CSS, JavaScript, jQuery, REST.
- **Operating Systems:** Linux, Windows.
- **Others:** Git, Spring.

## PROJECTS

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### Titanic: Machine Learning from Disaster

- Developed a machine learning models in **Python**, using **Pandas**, **NumPy** and **Matplotlib** packages, for classifying on the given data whether a passenger will survive the disaster or not.
- Trained models using **Decision Tree**, **K- Nearest Neighbors**, **Logistic Regression**, **Naïve Bayes**, **Random Forest** and **Support Vector Machine (SVM)**.

### Time Series Product Prediction

- Designed and developed a **Recurrent Neural Network** model in **Python**, using **Pandas**, **NumPy**, **Kera's** and **Matplotlib** packages, for predicting the quantity of each product sold each day for the 29 days.
- Training data contained quantity of each product sold every day for 118 days.
- Implemented **LSTM** model with 7 layers, each layer containing 70 neurons with dropout of 20%, used adam optimizer.

### Steganography Web Service

- Developed and developed a web service using **JavaScript**, **REST** and **NodeJS**, for concealing message in the image.
- User can upload an image and the message to be concealed. **REST** api was used to upload, get and remove the image.

### CPU Simulator

- Designed and developed a program that replicates the working of CPU, using **Java**. Program accepts and performs all the basic instructions 8-bit and 16-bit operations.
- Implemented core concepts of Computer Architecture and Organization.

### Cancer Recognition

- Implemented classification models in **Java**, for detection and classification of the type of cancer a patient may have.
- Models trained using **Support Vector Machine (SVM)** and **Decision Tree**, on the data of 100,000 patients.

### Question Paper Generator

- Designed and developed a web service in **Java**, using **JDBC** to access **RDBMS** database (MySQL).
- User can Log In to the website and select the subject, type and difficulty level of the question paper.

## EDUCATION

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Binghamton University  
MS in Computer Science

Binghamton, NY  
May 2019

University of Mumbai  
BE in Information Technology

Mumbai, India  
May 2017