NITIN

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Objective

A meticulous and organized individual seeking an Entry-level position. Skilled at developing reports, analyzing data and identifying solutions. Strong ability to handle complex projects. Innovative, creative and willing to contribute ideas and learn new things.

Education

- **B.Tech** in **Mechanical Engineering** with an overall **CGPA** of **6.65** from **Mahatma Gandhi Government Engineering College, Jeori(Himachal Pradesh). (2018-22)**
- **10+2** with **73.2%** from **Bharti Vidyapeeth Sr. Sec. School, Baijnath(Himachal Pradesh). (2016-17)**
- **10th** with **75%** from **Mount Carmel School, Baijnath(Himachal Pradesh). (2014-15)**

Experience and Training

- **SSDN Technologies** (07/2022-11/2022)
  Learnt and worked as a trainee in **Machine Learning.**
- **SSDN Technologies** (03/2022-06/2022)
  Completed 4-month training in **Python** with **MySQL** database and **Django** Framework.
- **CadDesk** (03/2021-06/2021)
  Completed 6 weeks training in **Solidworks.**

Skills

- **Machine Learning**
- **Python Programming**
- **MySQL**
- **HTML**
- **CSS**
- **Solidworks**

Extra Skills

- **Good Communication**
- **Project Management**
- **Problem Solving**
- **Decision Making**
- **Analytical Skills**

Certificates

- **Machine Learning with Python**
- **Python**

- **Introduction to Deep Learning**
- **Solidworks**

Projects

- **Home Price Prediction** (10/2022-11/2022)
  - To predict **Home Prices** in different cities of **Bangalore.**
  - Used **PyCharm** as an editor.
  - **Dataset** taken from **Kaggle**(https://www.kaggle.com/amitabhajoy/bengaluru-house-price-data).
  - Used packages such as **Pandas, NumPy** and **Matplotlib.**
  - Used **Linear Regression** algorithm to efficiently predict the home prices.
  - First the **data** was **analyzed** after which the **missing values** or the **noisy data** was **dealt.** After this **data** was **processed** and **new features** were created from **existing features.** After this the **outliers** were **removed.** Now a final **data visualization** was done. Now the data was **split** into **training and testing.** Finally it was **trained** for **linear regression model** and **test.**
- **Library Management System** (05/2022-06/2022)
  - To maintain **library books record.**
  - Used **PyCharm** as an editor.
  - Used python **GUI Tkinter** and **MySQL** as database.
  - Xampp was used to create a **local server.**
  - First the **GUI** was created in the **PyCharm** editor using **Tkinter** package. In GUI all the record of who borrowed the book, when the book was borrowed, such things were added. Then the sample data of library books was created in MySQL. After this Xampp was used to create a local server between PyCharm and MySQL. Then the connectivity of the data was done to the GUI in PyCharm. Then it was all ready.
- **Portfolio website**
  - Used **VSCode** as an editor.
  - Used **HTML** and **CSS** only.
  - Used **Git** and **GitHub** to **host** the website.
  - **Link**(https://kaptaanjack.github.io/myportfolio).
- **Voice Command Robot**(College Project)
  - To operate a **simple robot** using **Voice Commands**
  - Used **Arduino uno** as the core of the project.
  - Used **C++** for the coding of the robot.
  - Used **Proteus** for creating the basic electrical circuits.
  - First the basic electrical circuit model was created in proteus software. Then all other components were attached such as **Arduino uno, BO motor, mini breadboard, moto driver, mic,** etc. according to the circuit. After this the coded file was uploaded to the Arduino uno which had all the instructions on how to operate the

robot. Finally the **18650 batteries** were attached and the robot was fully functional.

- **Automatic Speed Detection Barrier**(College Project)
  - To detect **over speeding vehicles.**
  - Used **sensors** to detect the speed of the vehicle.
  - Used **Proteus** to create the basic electrical circuit.
  - Used **C++** for the coding of the sensors and the barriers.
  - First all the components were arranged according to the circuit which was made in Proteus software. Then the coded file was uploaded to the Arduino uno afte which it was attached to the batteries and put to use. It worked like there were 2 sensors placed simultaneously one after another after a short distance. When the vehicle passed through the 1st sensor its speed was detected and if the speed was above the speed limit, the vehicle was given a warning to reduce the speed at the billboard placed between the 2 sensors. Now when the vehicle passes through the 2nd sensor and again if the speed was above the speed limit, the barrier would drop down which was placed after some distance from the 2nd sensor.

Personal Details

- Father's name - Shri Jai Singh
- Date of Birth - 04-June-1998
- Nationality - Indian
- Interests - Trekking, Gaming, Basketball
- Languages Known- English, Hindi
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