SAYALI MADHUSUDAN MARTAL

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Career Objective:

Educational Qualification:

Engineering:

University: University of Mumbai

Institute: St. Francis Institute Of Technology, Borivali

Branch: Electronics and Telecommunication

Semester	I	II	III	IV	V	VI	VII	VIII
CGPA	9.59	9.41	10	9.68	9.41	10	8.37	9.08

Pre-Engineering:

Examination	Board	Year of Passing	Percentage
HSC	Maharashtra State Board	2014	84.15
SSC	Maharashtra State Board	2012	95.82

Technical skills:

- Languages known: C++, C, Java
- Software used: MATLAB, Proteus, Wireshark

Projects Undertaken:

- **Music Emotion Recognition Using Acoustic Gaussian Mixture Model (BE Project)**
  Emotion modeling using Acoustic Gaussian Mixture Model by extracting the affective content of a song (preview). This model can be used to select relevant songs from the database according to the mood and form a customized playlist. This method avoids manual selection of songs by users which is tedious and time consuming.
- **Android Controlled Pick and Place Robotic Arm**
  Designed a robotic arm controlled by an Android application to pick and place objects. The Android application was developed using MIT app inventor 2. The arm and its base move in accordance with the button clicked by the user on the app interface due to the motional commands given to the arm by the microcontroller.
- **Electronic Vehicle Security System**
  Devised a way to protect two-wheeler vehicles from being stolen and hence realized a smart password protected security system. If any stranger tries to open the lock without entering the password, a buzzer goes on. Thus, any person present in the parking area can be alerted about the theft.

Training and Certification:

- Certificate Course in IP Networking at CETTM, MTNL
- Programming, Data structures and Algorithms in Python (NPTEL Online Certification-July to September 2016)

Achievements:

- Awarded Tata Trusts Scholarship from Sir Dorabji Tata Trust for the year 2015-2016 (Complete Tuition Fee)

Workshops Attended:

- Ethical Hacking Workshop held by Skynet Secure Solutions at SFIT (16th and 20th January, 2016)
- Workshop on Google Apps organized by the IETE-SFIT (29th August, 2015)

Extracurricular Activities:

- Worked as Publicity executive in IEEE-ISSB (2016-2017)
- Worked as Creative executive in IRIS 2017 (SFIT Cultural Festival)
- Active member of Social Responsibility Cell of SFIT (2015-2016)
- Secured second position in the event 'Tower of Hanoi' at Mosaic 2016
- Secured second position in Hindi essay writing competition organized by Ideal Foundation (2009 and 2011)

Personal Interests:

- Doodling, listening to music

Personal Details:

Date of Birth   : 29th October 1996
Gender   : Female
Languages known : English : Professional   Marathi : Mother Tongue
                       Hindi   : Read and Write
Address   : C-4, Purushottam Krupa, Opp. Sudhindra Nagar, Dahisar(East)