

# Eshaan Mudgal

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## Profile

Electronics and Communication Engineer primarily focused on implementation of digital systems. Excellent interpersonal and communication abilities, and possess a wide range of technical skills. Enjoys being part of a team, as well as managing, motivating and training a productive team, and thrives in high pressure and challenging working environments.

## Experience

Interned at Emtron Technologies, Mumbai – 2016-Present

Emtron Technologies focuses on providing embedded solutions to small - medium scale industries.

- Developed a GPS based position detecting system.
- Implementing a PLC for an Induction Heating system.
- Testing and Debugging of different circuits and PCBs

Interned as Buzz Marketer, Prarambhan Entertainment – 2016

The company provides as a one stop solution for getting the best artists for your events. Developed profiles for different artists that highlight the best of their work so as to create the right buzz for the artist.

## Trainings

Embedded Systems and Design, Sardar Patel Institute of Technology

Worked on micro controllers ; AVR, ARM, MSP, RTOS systems and interfacing these with wireless communication modules, ESP-8266, SIM 908.

Antenna Design and Simulation

Designed a micro strip line patch antenna on IE3D, and successfully simulated the same. Also analysed the physical antenna on a Vector Network Analyser.

## Education

Mumbai University , Mumbai – B.E. - 2015-2019

- Semester IV - 10.00
  - Semester III - 9.69
  - Semester II - 9.00
  - Semester I - 9.44
- Cumulative CGPA - 9.5325

Senior Secondary (Grade 12): Science

CBSE Board : 93%

## Projects / Competitions

Eyantra (2016)

Cleared the first two stages of this national competition.

Developed code for image processing and mapping between 2 images.

Further developed the code of stage 1 to find matching objects in the given image in the form of a grid and implemented Breadth First Search algorithm to find the shortest path between the two matching objects.

#### InterThrone

The finalists of the national level competition.

Developed a home automation system that prevents hazards due to gas leakages, voltage surges and short circuit.

#### Positions Of Responsibility

Head of Electronics - IoT Committee (2017-present)

Head of Events - IETE (2017-present)

Director of Public Relations - Rotaract Club of SPIT (2016-2017)

Head of Fine Arts for cultural fest of 2017.

Organised the mega event "Tesseract" in the technical fest of 2017.

Volunteer / Teaching Assistant at Abhyudaya.

#### Skills

Embedded Systems

Python

C / C++ Programming

Auto CAD

Image Processing

System Design

Linux

Java

Antenna Design