

# Garvit Garg

SOPHOMORE (B.TECH.) | ELECTRICAL ENGINEERING | IIT JODHPUR  
garg.11@iitj.ac.in | (+91) 9752229440 | garvit-32.github.io [↗](#)

## SKILLS

### PROGRAMMING AND WEB

Python, C++, Django, Javascript, VueJS, HTML, CSS, Git, Shell, Bootstrap, Flutter

### ARTIFICIAL INTELLIGENCE

Tensorflow, Keras, Pytorch, OpenCV, Scikit-learn, Pandas, Numpy, Scipy, CNN, PIL, Google Colab, Jupyter Notebook

### ROBOTICS

Robot Operating System(ROS), Gazebo, Navigation Stack, Raspberry Pi, NodeMCU, Arduino

## LINKS

Github:// [Garvit-32](#) [↗](#)

LinkedIn:// [garvit-garg-6a3248197](#) [↗](#)

## EDUCATION

### IIT JODHPUR

B.TECH. ELECTRICAL ENGINEERING  
July 2019 - May 2023 | Jodhpur, India  
Cum. GPA: 7.55 / 10

### WISHWOOD COTTAGE SCHOOL

CBSE | INDORE, M.P.  
12th Boards: 84.5 Percent  
10th Boards: CGPA 10/10

## COURSEWORK

### UNDERGRADUATE

Computer Programming  
Basic Electronic Engineering  
Linear Algebra and Calculus  
Signal and Systems\*  
Probability, Statistics and Stochastic\*  
Foundation of Quantum Information\*

### MOOC

Neural Networks and Deep Learning  
Browser models with TensorflowJS  
Natural Language Processing\*  
Modern React with Redux\*

\*Ongoing Courses

## PROJECTS

### FACE RECOGNITION IN PRESENCE OF MASK | AI

Python, Pytorch, FastAI, Face Recognition | Github [↗](#)

- Match a face image without any occlusion with a face image covered with mask.
- Solution of summer challenge given by IITJ.

### VARCHAS | WEB PORTAL FOR IIT JODHPUR SPORT FESTIVAL [↗](#)

Django, HTML, CSS, JS, Bootstrap | Github [↗](#)

- Full-stack developer: Writing and reviewing the code for a django backed website with bootstrap and JS.
- The website facilitates team formation, sport specific user registration, real-time score update, match details with teams involved.

### MUSIC GENRE CLASSIFIER | AI

Python, Tensorflow, Librosa | Github [↗](#)

- Implement a music genre classifier using Tensorflow.
- The classifier is trained on MFCC features extracted from the music dataset.
- Implement a CNN and LSTM for music classification.

### AAFTAAB | WEBSITE FOR IIT JODHPUR LITERATURE FESTIVAL

HTML, CSS, JS, Bootstrap | Website [↗](#)

- In a team of 6 member for developing a website.
- Wrote and reviewed code for HTML5, CSS3.

### TERRACE FARMING ROBOT | INTER IIT TECH, IIT ROORKEE

IoT, Arduino, NodeMCU, C++ | Github [↗](#)

- Robot's design inspired by the fork-lift mechanism with three individual compartments lifted individually up and down the stairs through lead screws.
- Automated using NodeMCU, Ultrasonic sensors.
- Modulated design to include farming operations like seeding, ploughing or watering.

## AWARDS AND ACHIEVEMENT

- 2020 - Runner Up in Robosoccer in Inter College Technical Fest Prometeo
- 2019 - Fourth position at Inter IIT Tech Meet 8.0

## EXTRACURRICULARS

- Core member of Devlup Labs [↗](#)
- Core member of Robotics Club IITJ
- Core member of Electronics Club IITJ
- Volunteered at various institute fests