


Garvit Garg

SOPHOMORE (B.TECH.) | ELECTRICAL ENGINEERING | IIT JODHPUR
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SKILLS

PROGRAMMING AND WEB

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

ARTIFICIAL INTELLIGENCE

Tensorflow, Keras, Pytorch, OpenCV,
Scikit-learn, Pandas, Numpy, Scipy,
CNN, R-CNN, YOLO, 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