

## Abhinav Lakhani

Street No. 2,  
Rampara, Jeshingpara,  
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Gujarat - 365601

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### OBJECTIVE

*To seek a position in a well established organization that offers room for professional growth, as this provides ample opportunities to learn and use new trends in science & technologies in industries, while also providing the opportunity to exhibit skills and competencies in my profession for any business I work for.*

### EDUCATION

|                               |   |
|-------------------------------|---|
| Degree                        | B. Tech Mechatronics                        |
| College/school                | U. V. Patel College of Engineering (Kherva) |
| University                    | Ganpat University (Mehsana - Gujarat)       |
| Passing Year                  | 2019  |
| Passing Percentage(out of 10) | 6.42  |

### PROJECTS

- Academic Project: Gesture Designated and Voice controlled Robotic Hand using Electro-Myograph Sensor.**

U. V. P. C. E  
Aug 2018 - April 2019

Worked in a 4 person team to develop an Amazon Alexa controlled desktop based application using python in Raspbian(Raspberry - pi). The application provides an interface to start/initialize the physical robot controlled by raspberry pi. I was responsible for designing the core architecture of the application using python and amazon alexa, as well as performing gesture recognition & 3D - depth image processing using Xbox 360 Kinect in Matlab via machine learning.

- **Technology/Tools:** Python, Matlab, Solidworks, Amazon Alexa, Flask(Python), Raspberry-pi, ngrok
- **Link :** <https://youtu.be/Pii0wOBFJWE>

### TRAINING & INTERNSHIP

- **KALPTARU POWER TRANSMISSION Ltd. Gandhinagar - Gujarat**  
Jun 18
- **BOSCH REXROTH Ganpat University, Kherva - Gujarat**

Jun - July 18

### RESEARCH PUBLICATIONS

1. none

### TECHNICAL SKILLS

- **Languages :** Python, embedded C, C, Matlab
- **Tools/Framework :** Flask(Python), pyfirmata(Python)
- **Familiar :** Java, Javascript, HTML, CSS, Lua, raspberry-pi
- **Softwares :** Solidworks, ANSYS, AutoCAD, Matlab & Simulink, Automation Studio, Keil, Proteus

- **General :** Electro-Mechanical System design, Robotics, Embedded Systems, Machine Learning, Data Structures, Algorithm, Object Oriented Programming

## **SOFT SKILLS**

1. Hard working
2. Quick learner
3. Ability to perform & contribute under pressure
4. Flexible & Adaptable to changes & challenges
5. Highly Self Motivated
6. Self Confidence & Positive Attitude

## **EXTRA-CURRICULAR ACTIVITIES**

- **Tree plantation as well as Garbage removal** at “The Agricultural produce market committee Babra - Amreli(Gujarat)” Dec 18
- Organized the Aeromodeling workshop at CONVERGENCE U.V.P.C.E.(2018, National Level Event) Feb 18

## **CO - CURRICULAR ACTIVITIES**

1. **ENGR2000X: A Hands-on Introduction to Engineering Simulations**, a course of study offered by CornellX, an online learning initiative of Cornell University through edX.(VALID CERTIFICATE ID: 863a92cfeaff475aacb63a98dac4e293)
2. **Game Development & Programming:** through online courses.  
<https://github.com/abhinav3398>
3. **Mechanical System Design:** through online courses.  
<https://grabcad.com/abhinav.lakhani-2>

## **PERSONAL DETAILS**

Father's Name: Sanjaybhai Gordhanbhai Lakhani  
 Mother's Name: Shilpaben Batukbhai Pokal  
 Sex: Male  
 Date of Birth: 3<sup>rd</sup> march,1998  
 Nationality: Indian  
 Marital Status: Single

## **REFERANCE**

- Prof. Jignesh P. Patel  
Contact: (+91) 92284-55529  
email-id: jignesh.patel@ganpatuniversity.ac.in
- Prof. Dhaval K. Soni  
Contact: (+91) 9898-941687  
email-id: dks01@ganpatuniversity.ac.in

**DECLARATION** I hereby declare that the above mentioned details are true to the best of my knowledge and belief.

**DATE** 17<sup>th</sup> April,2019