

Abhinav Lakhani

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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	GHSEB	GSEB
College/school	U. V. P. C. E. (Kherva)	INFOCITY (Gandhinagar)	Sree Narayan Guru Vidhalaya (Ahmedabad)
University	Ganpat University (Gujarat)	Gujarat Board	Gujarat Board
Year	2015 - 2019	2013 - 2015	2012 - 2013
Passing Percentage (out of 10 or 100)	6.42	65.23	70.5

PROJECTS

- Last Year 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

- **KALPATARU POWER TRANSMISSION Ltd. Gandhinagar Jun 18**
- **BOSCH REXROTH Ganpat University, 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, LaTeX, 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, ROS, FEA

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) wherein, which I led a team of 4-6 students to familiarize 40 students from various university(including my own) on how to design and fabricate a simple RC aircraft. Feb 18
- In e-YIC - 2019 my last Year Academic Project was selected in national finals out of 122 teams nationwide. 2018-2019
- Shodh Innovative Idea Participant 2018-2019

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>
4. **Amazon alexa skills development**

PERSONAL DETAILS

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

REFERANCE

- Available upon request.

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

DATE 17th April,2019