

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
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.** Jun 18
- **BOSCH REXROTH** Jun - July 18
- **U.V.P.C.E. Ganpat University** 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>