Abhinav Lakhani

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

email-id: 3398abhinav@gmail.com
Contact: (+91) 9586-392952

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

1. **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/Pii0wOFBJWE

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