

# MOKSHA SOOD

## CAREER OBJECTIVE

To work with maximum potential in a dynamic and competent environment with diverse group of people to enhance my professional skills for career growth.

## EDUCATION

Course	Duration	Institute	Marks
B.Tech, Electronics and Communication Engineering	2018 - 2022 (expected)	Sardar Vallabhbhai National Institute of Technology, Surat	9.44 CGPA (Rank: 2)
Intermediate (XII)	2018	The Aditya Birla Public School, Bharuch	94.4% (Rank: 1)
Matriculate (X)	2016	The Aditya Birla Public School, Bharuch	10 CGPA (Rank: 1)

## CONTACT

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## COURSES AND CERTIFICATES

- Machine Learning (Coursera)
- Deep learning Specialisation (Coursera)
- Tensorflow Specialisation (Coursera)

## STRENGTHS

- Effective team player
- Good communication skills
- Determined and a keen learner
- Friendly and cooperative
- Flexible and adaptive
- Ability to cope with difficult situations

## TECHNICAL SKILLS

- **Programming Language:** Python, C/C++
- **Machine Learning :** Linear Regression, Logistic Regression, Neural Networks
- **Deep Learning:** Convolutional Neural Networks
- **Libraries:** NumPy, Pandas, Matplotlib, OpenCV, Sklearn, Tensorflow, Keras
- **Graphic Applications:** HTML, CSS, Javascript, React, NodeJS

## PROJECTS

- **Twitter Data sentiment analysis (Natural Language Processing)**  
The project aims to classify users' tweets into positive and negative tweets using bag of words and TF-IDF techniques with 95% validation accuracy.
- **Human Activity Recognition (Machine Learning)**  
The project aimed to identify twelve types of human activities based on data collected from wearable sensors and achieved an accuracy of 98%.
- **Smart Parking System (IOT)**  
A parking system that gives information about vacant and occupied parking slots via mobile application using NodeMCU ESP8266 and firebase as database.
- **Classification of charged particles into gamma and hadrons rays**  
A machine learning project implementing logistic regression and neural network from scratch on MAGIC telescope dataset and obtained 77% test accuracy.

## WORK EXPERIENCE

- **Data Science intern at Zujo, Surat** (Dec 2019 – Jan 2020)  
**Project:** Completed tasks of implementing convolutional neural networks on various datasets and computer vision tasks to understand their applications in industries under the guidance of Mr. Arjun Kava
- **Co-head at Cutting Edge Visionaries, NIT Surat** (May 2020 – Present)  
A prestigious technical student chapter at NIT Surat

## ACCOMPLISHMENTS

- **2<sup>nd</sup> position** in Electronics branch in class of 142 students
- **Participated** in Code for Good conducted by JPMC.
- **Completed** Hacktoberfest challenge 2020
- Wrote **blogs** on Augmented Reality and Image Processing **published** on cevgroup.org in 2019
- Won **Gold medal** in International Mathematics Olympiad in 2016 and 2017