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B.TECH
Male
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ACADEMIC DETAILS

| Examination | University | Institute | Year | CGPA /% |
|--|------------|---------------------------------|------|---------|
| Graduation: Information Technology Engineering (Pursuing – 8 th Sem.) | CHARUSAT | CSPIT, Changa, Anand | 2020 | 8.61 |
| 10 th | GSEB | English Teaching School, Nadiad | 2014 | 87.67 |
| 12 th | GHSEB | New English School, Nadiad | 2016 | 75.40 |

AREAS OF INTEREST

Machine Learning, Web Development, Artificial Intelligence, Data Science.

MAJOR PROJECTS

- **Corporate Plus – An ERP Web Application**

December 2019 – April 2020 (Sem-8)

Software : XAMPP(Apache Server, MySQL, PHP), NetBeans IDE.

Project Summary

- ❖ A dynamic web application for an organization which can manage every department of the organization such as Inventory, Manufacturing, Sales, Accounts, Human Resource, Administrator and many more efficiently.

- **Home Automation System Using Amazon Alexa**

July 2019 – November 2019 (Sem-7)

Hardware: ESP32, AC Fan, Relay module

Software : Arduino-IDE, Blynk Server, IFTTT

Project Summary

- ❖ It is a prototype that controls home appliances (bulb, Table-fan, Air Conditioner) through voice command over Amazon Alexa.
- ❖ Voice command is sent through Alexa, which is detected by IFTTT platform, which in response makes a web request through webhooks to the Blynk server and it controls the appliances.
- ❖ ESP32 acts as the system core that controls the appliances connected through relay module on receiving proper signals from the Blynk server.

- **Bakeology Bakery Website using Laravel framework**

May 2019 – June 2019 (Sem-7 Summer Internship)

Software : XAMPP(Apache Server, MySQL, PHP), Laravel Framework, NetBeans IDE.

Project Summary

- ❖ A dynamic web application for a bakery shop to purchase bakery items online.
- ❖ User can sign up, add products to cart and place order. Admin gets an e-mail of order summary.
- ❖ Also, there is an Admin panel to add/remove products from main website and it also shows customer details and orders.

- **Facial Emotion Recognition System**

January 2019 – March 2019 (Sem-6)

Hardware: A high resolution camera

Software : JetBrains PyCharm, Python, OpenCV, TensorFlow, Keras

Project Summary

- ❖ FacialEmoRecognizer is a python based Machine Learning Application used to detect and recognize human facial expressions.
- ❖ The project is implemented in two ways:
 - Using CNN for emotion recognition from a static image.
 - Emotion recognition over a real time data using a pre-trained model.

- **Smart Health Monitoring System using Arduino UNO and an Android Application**

July 2018 – November 2018 (Sem-5)

Hardware: Temperature and Pulse Sensor, Arduino UNO , HC-05 BT Module, Mobile Phone.
Software : Arduino IDE.

Project Summary

- ❖ It helps in real time monitoring of the patient's health.
- ❖ Body Temperature and Heart rate are measured using respective sensors.

INTERNSHIP

- Place : CubExInfo, Nadiad
- Project Title : JBStudios website (MVC Architecture)
- Project Guide : Ms. Bijal Brahmabhatt
- Duration : 4 Weeks (15th May'18 to 23rd June'18)

- Place : CubExInfo, Nadiad
- Project Title : Bakeology Bakery website (Laravel Framework)
- Project Guide : Mrs. Kinnari Prajapati
- Duration : 4 Weeks (20th May'19 to 21st June'19)

- Place : Tech. Elecon Pvt. Ltd., Anand
- Project Title : Corporate Plus (ERP Web Application)
- Project Guide : Mr. Bhavin Patel
- Duration : 5 Months (16th Dec'19 to 30th April'20)

KEY COURSES

- Operating System
- Computer Networks
- Data Structure
- Data Science
- Artificial Intelligence
- Internet of Things
- Language Processors
- Internet of Things
- Machine Learning and Application
- Computer Networks
- Software Engineering
- Cryptography and Network Security

TECHNICAL SKILLS

- **Language Known** : C, C++, Java, Python, PHP, Java Script, HTML, CSS, jQuery.
- **Operating Systems** : Windows , Ubuntu Linux.
- **Software Tools** : Netbeans IDE, Arduino IDE, MS SQL server, Google Colab, Android Studio, XAMPP, WAMP, AWS (basics).
- **Technologies Known** : Data Science, Machine Learning, Cloud Computing, IoT, Embedded Systems, Computer Networking, Web Development, Android Development, Database Management System.
- **Hardware Known** : Arduino, ESP32, Raspberry Pi.