

# TIMIR PATEL

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"A self-driven and motivated enthusiast wanting to be always one step better than myself, this is what makes me stand out from a group of engineers in my field."

## ACADEMIC QUALIFICATIONS

<b>Vellore Institute of Technology (Andhra Pradesh, India)</b>	<b>May 2021</b>
B.Tech in Computer Science and Engineering	GPA: 8.36/10.00
<b>Navarachna International School Vadodara (Gujarat, India)</b>	<b>May 2017</b>
CBSE – Higher Secondary Certificate: Science	GPA: 9.10/10.00
<b>Navarachna International School Vadodara (Gujarat, India)</b>	<b>May 2015</b>
CBSE – Secondary School Certificate: Science	GPA: 8.40/10.00

## SKILLS

<b>Programming &amp; Data Analytics</b> – Node.js, HTML, CSS, JavaScript, C++, Java, SQL, MATLAB, Python, Tableau
<b>Industry Software</b> – Firebase, Android Studio, DialogFlow, AWS
<b>Concepts</b> – Web Technologies, Data Structures, Algorithms, Relational Databases, Authentication, Problem Solving

## PROFESSIONAL EXPERIENCE

<b>iTechnoSol INC</b>	<b>Gujarat, India</b>
Software Engineering Intern, Software Development	May, 2019 – July, 2019
<ul style="list-style-type: none"><li>• <b>Designed and implemented moderately complex software</b> solution using an array of languages.</li><li>• Worked on creating <b>Google Assistant App integrating Google Calendar API</b> and <b>Google Authentication</b> using DialogFlow programmed using Node.js and JSON.</li><li>• Worked on creating <b>Alexa Skill integrating Google Calendar API</b> and <b>Google and Amazon Authentication</b> using AWS programmed using Node.js and JSON.</li><li>• Developed User, Event and Token <b>Real-time Database using Firebase</b> software.</li><li>• <b>Programmed Firebase Cloud functions</b> to perform and tend to POST and GET requests to add, update, delete and modify real-time Firebase Database.</li><li>• Ensured that all project specifications are upheld during and after the development process.</li><li>• Wrote and assisted in preparing training and operating manuals.</li></ul>	

## PROJECTS

<b>Football Team Website</b>	<b>Gujarat, India</b>
Software Engineer & Project Manager (Leadership Position)	July, 2020 – Present
<ul style="list-style-type: none"><li>• Assisted in <b>planning, designing &amp; developing website</b> body structure.</li><li>• Developed front-end website using an array of languages, assisted in creating web pages linked to index web page.</li><li>• Developed User <b>Real-time Database using Firebase</b> software.</li><li>• <b>Programmed Firebase Cloud functions</b> to perform and tend to POST and GET requests to add, update, delete and modify <b>real-time Firebase Database</b>.</li><li>• Ensured that all project specifications are upheld during and after the development process.</li><li>• Wrote and assisted in preparing training and operating manuals.</li><li>• <b>Assisted first time coders</b> in learning and developing assigned web-pages and features.</li></ul>	

<b>Personal Website</b>	<b>Gujarat, India</b>
Software Engineer & Creator	May, 2020 – June, 2020
<ul style="list-style-type: none"><li>• <b>Planned, designed &amp; developed</b> website body structure.</li><li>• Developed front-end of website using an array of languages.</li><li>• Ensured that all project specifications are upheld during and after the development process.</li></ul>	

<b>Smart Pup</b>	<b>Andhra Pradesh, India</b>
Software Engineer	Dec, 2018 – March, 2019
<ul style="list-style-type: none"><li>• Assisted <b>planning project specifications and development flow</b>.</li><li>• Built robot structure and body to an appearance of a pup.</li><li>• <b>Programmed Arduino Uno</b> to perform specific functions and movements from the robot when signal is received from Raspberry Pi using C++.</li><li>• Assisted in programming of software to <b>detect human face emotions using Python</b>.</li><li>• Assisted in programming text-to-speech software to <b>detect human emotions from speech tone</b>.</li><li>• Wrote and assisted in preparing training and operating manuals.</li></ul>	

## PROJECTS

### Obstacle Avoiding Fire Extinguisher Robot

Software Engineer & Project Manager (Leadership Position)

Andhra Pradesh, India

July, 2018 – Nov, 2018

- Assisted **planning project specifications and development flow**.
- Programmed Arduino Uno** to perform specific functions and movements from the robot when signal is received from the ultrasonic and fire detector sensors using C++.
- Programmed fire detectors and ultrasonic sensors** along with **water pump** into Arduino Uno using C++.
- Ensured that all project specifications are upheld during and after the development process.
- Wrote and assisted in preparing training and operating manuals.

### Industry IOT Automation

Software Engineer & Hardwiring Head

Andhra Pradesh, India

Dec, 2017 – March, 2018

- Assisted **planning project specifications and development flow**.
- Assisted **programming Raspberry Pi** to help perform and sequence Industry operations using **Python**.
- Built small scale Industry machines to help perform operations in sequence.
- Hardwired** motors and small scale Industry modelling machines.
- Wrote and assisted in preparing training and operating manuals.

### Obstacle Avoiding Fire Alarming Robot

Software Engineer & Project Manager (Leadership Position)

Andhra Pradesh, India

Sept, 2017 – Nov, 2017

- Assisted **planning project specifications and development flow**.
- Programmed Arduino Uno** to perform specific functions and movements from the robot when signal is received from the ultrasonic and fire detector sensors using C++.
- Programmed fire detectors and ultrasonic sensors** along with **alarm bell** into Arduino Uno using C++.
- Ensured that all project specifications are upheld during and after the development process.
- Wrote and assisted in preparing training and operating manuals.

## AWARDS & ACHIEVEMENTS

### Interuniversity Soccer Tournament , VITOPIA, VIT

Runners Up (Goalkeeper)

Andhra Pradesh, India

March, 2020

### Interdepartmental Soccer Tournament, VIT

Winners (Goalkeeper)

Andhra Pradesh, India

Feb, 2020

### Interuniversity Soccer Tournament , VITOPIA, VIT

Runners Up (Goalkeeper)

Andhra Pradesh, India

Jan, 2019

### Engineering Clinics, VIT

3<sup>rd</sup> Runners Up

Andhra Pradesh, India

March, 2018

### CSE1001 – Problem Solving Using C++, CAT 2 Examinations, VIT

Winner – Certificate of Merit

Andhra Pradesh, India

March, 2017

### Overall House Championship, Navarachna International School Vadodara

Winners (Seekers House Captain)

Gujarat, India

March, 2016

## RESPONSIBILITIES

### Vellore Institute of Technology

Engineering Clinics Project Lead

Andhra Pradesh, India

July, 2018 – Nov, 2018

### Vellore Institute of Technology

Engineering Clinics Project Lead

Andhra Pradesh, India

Sept, 2017 – Nov, 2017

### Navarachna International School Vadodara

Seekers House Soccer Team Captain

Gujarat, India

July, 2016 – Feb, 2017

### Navarachna International School Vadodara

Seekers House Captain

Gujarat, India

July, 2015 – May, 2016

## COMMUNITY SERVICE

### Each one, Teach one, Navarachna International School Vadodara

Taught 4 uneducated children in basics of English language, Mathematics and Science

Gujarat, India

June, 2010 – May, 2012

## REFERENCES

### Mr. Chirayu Dalwadi

CEO at iTechnoSol Inc.

chirayu@itechnosol.com

Gujarat, India

### Dr. Soubhagya Sankar Barpanda

Associate Professor at Vellore Institute of Technology

soubhagya.barpanda@vitap.ac.in

Andhra Pradesh, India