

Janak Patel | Male | 21 years

Bachelor of Engineering: Electronics and communication	Gujarat Technological University	L.D. College of Engineering, Ahmedabad	8.62 CGPA	2022
Class XII	Gujarat Secondary and Higher Secondary Education Board	Parth School, Vadodara	78% (81% PCM Aggregate)	2018
Class X	Gujarat Secondary and Higher Secondary Education Board	Ambe Group of Schools, Vadodara	85.5%	2016



Skills

- Python Programming
- Java Programming
- C Language
- Figma Designing
- GIT and Version control
- REST API and Web Sockets Implementation
- Web Development
 - HTML
 - CSS
 - JS
 - PHP
 - MySQL
 - Django
 - Node
 - GIT
 - jQuery
- Android Development

Projects

Website Building (2019-2022)

- Worked on live Projects during Internship period, which includes a discussion forum and a NFT platform where tech stack: {Django, JS, jQuery, CSS, HTML, Figma designs},
- 3+ Local hosted PHP websites tech stack: {PHP, JS, jQuery, Figma designs, HTML, CSS},
- 4+ Heroku Hosted Websites tech stack: {PHP/JS Frameworks, JS, jQuery, HTML, CSS, GIT, free APIs}

THE RITCH (2020)

THE RITCH is a smart device that is a replacement for traditional mechanical switches which operates electrical appliances, THE RITCH can connect the cloud and through the cloud, one can control the RITCH to operate the appliance while preserving traditional tik-tak way to toggle the switch. Granted for patenting The RITCH

The Sanctuary III (2020)

The Sanctuary III is a flying vehicle system that bombards the high-intensity UV-C light to disinfects walls, objects, beds, and almost anything at any height. This project had made for the international competition held at Hackster.io. Sanctuary III is solely programmed using C language

The BOSS Baby (2021)

The BOSS Baby (Baby Observation and Security System) is a system that continuously watches the baby in front of it, try to detect or predict crying and falling, it also measures heart rate, spO2 level, body temperature and humidity to predict health and comfort level, measures surrounding temperature and humidity. All the data is managed by cloud technology Amazon Web Services. And prediction is done by custom made Python based AI micro services.

Hornet MK-I(2022)

It is a Twin engine thrust vectored drone-based surveillance, monitoring and anti-drone system for borders. Project selected for representing college at SIH2022(Smart India Hackathon)

Achievements and participations

State level Hackathon (2019-2021)	Grand Finale, finalist in State level hackathon 2019. Hackathon well known as Smart Gujarat Hackathon had registered over 1,500+ teams for the year 2019 among the all-registered teams only ~250 teams were finalized for the grand finale.
Hackster io Micron UV Robot (2020)	Conducted by well-known Hackster io website at international level. In this contest, participants are supposed to develop a robotic device that disinfects the different surfaces using UV-C lights.
College Fests (2018-2019)	Conducted by various clubs of college. Various kinds of competitions take place every year in various domains such as technical, indoor games, sports, etc, I have participated in technical events such as quizzes, circuit designing, etc.
Product Development (2021)	THE RITCH project has been converted to a product and can be easily replaced with traditional mechanical switches.
SSIP grants for AIDITH Board (2020)	SSIP(Student Start-up and Innovation Program) has sanctioned an amount of 15k INR for a small-scale prototype and assured further grants once the prototype completes.
NBA presentation (2021)	For the year 2021 NBA(National Board of Accreditation) has visited our college for assessment purposes, from the E.C dept two projects have been displayed. AIDITH Board and RITCH are one of those projects presented to the NBA assessment team.
i-Hub course (2020)	Gujarat Startup and Innovation hub conducted a certificate course on "Capacity Building program startup runway". This course teaches the basics of startups, how to approach investors different-different policies and strategies for startups.
Internship (2022)	Akiyam solutions is company that provides Web solutions in terms of creating, deploying and maintaining websites. I am working as Full Stack developer with Django framework.
GATE Examination	Cleared GATE 2022 in Electronics and Communication Branch.

Hobbies

- Chess
- Rubik cube solving
- Coding
- Prototyping the ideas

Software knowledge

- **VS code**
- XAMPP
- **GIT And VCS**
- Figma
- MATLAB
- Multisim Simulations
- **Android Studio**
- PyCharm
- **IntelliJ IDEA**
- Fusion 360
- Solid Edge
- Arduino IDE

Self-Assessment

