

Pawar Tamanna Sureshbhai

Second Year Undergraduate
Department of Electrical Engineering

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Education

Degree	Institution	CPI	Year
B.Tech	IIT Gandhinagar	5.63	2021 - Present
Class XII	Shree Sarasvati Vidhyalaya, Gandhinagar	81.85	2020-2021
Class X	Shree Sarvajanic Vidhyalaya, Mehsana	85.67	2018-2019

Projects

- **Pothole detector**(Advisor - Professor Udit Bhatia, IIT Gandhinagar) [Jan-April 2022]
 - Developed a real-time pothole detection system using Arduino Uno, Force sensor and GPS module.
 - Implemented an algorithm to analyse force sensor data and identify pothole events.
 - Led a team of 25 members for seamless integration of hardware and software components.
- **V8 engine 3-D model**(Advisor - Professor Jayprakash KR, IIT Gandhinagar) [Jan-April 2022]
 - Designed a highly detailed 3D model of a V8 engine using Autodesk Inventor Professional.
 - Modelled individual engine components with precision, ensuring accurate representation.
 - Collaborated with a team of 10 members to optimise the model's performance and visual appeal.
 - Presented in animation form to showcase intricate details and textures.
- **Human Counter**(Advisor - Professor Arup Lal Chakraborty, IIT Gandhinagar) [Aug-Dec 2022]
 - Crafted a human counter system that accurately tracks human presence using IR (Infrared) sensors.
 - Applied IR sensors to count the number of people entering or leaving a given area and to identify human presence.
 - Integrated the system with a visual display or interface to provide real-time human count information.
 - Collaborated with a team of 2 members to optimise the system's performance and troubleshoot any technical issues.
- **Cricket score prediction model**(Advisor - Professor Neeldhara Misra, IIT Gandhinagar) [Jan-April 2023]
 - Analysed a comprehensive dataset of historical cricket match data, including player statics, team performance and match condition for score prediction of sports cricket.
 - Utilised linear regression algorithms to identify critical factors impacting match scores and predict future outcomes.
 - Worked with a group of 4 members to refine the model and validate results to predict cricket scores.
- **E-commercial website** | [Project Link](#) [Jan-April 2023]
 - Created a dynamic e-commerce shopping website utilising HTML, CSS and Bootstrap framework.
 - Generated a visually appealing and user-friendly interface, ensuring seamless navigation.
 - Conducted thorough testing and debugging to ensure proper functionality and browser compatibility.
 - Customised and styled website elements using CSS and Bootstrap to enhance the website's aesthetics and design coherence.
- **Portfolio website** (Metis - Coding club at IIT Gandhinagar) | [Project Link](#) [Jan-April 2023]
 - Constructed an intuitive and attractive interface to highlight projects, abilities, and successes.
 - Optimised website performance through efficient code implementation and image optimisation techniques.
 - Applied JavaScript to add interactive elements, such as dynamic animations and smooth transitions, enhancing user engagement.
 - Cooperated with a group of 3 developers to guarantee operational continuity and reliability.

Relevant Courses

- Completed 'Web Development CSS3 and HTML5' course from Coincent (IIT Guwahati) [Feb-April 2022]
- Working on 'StackOverflow-MERN Stack' a real-time website development project training under Nullclass Edtech Private Limited. [Ongoing]

Achievements

- Secured **1st rank** in Professor A.R.Rao geometry competition in the district Mehsana. [Sept 2018]

Skill Summary

- **Languages:** Python, HTML 5, CSS, Javascript, React[ongoing], Java [ongoing], Verilog.
- **Tools:** Autodesk Inventor Professional, Canva.

Extra-Curricular Activities

- **Sports:**
 - Managed a group of 50+ students team in the intramurals foundation programme at IIT Gandhinagar.
 - Active participant in various sports including badminton, squash and basketball.
- **Arts and Culture:** Participated in Inter IIT cultural meet and was a member of a dance club.