

Pulijala Sathwik

B. Tech – Electronics and Communication Engineering, IIIT Tiruchirappalli.

Portfolio: <https://sathwikipulijala.netlify.app/>

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Education Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2018-Present	B.Tech -- ECE	IIIT, Tiruchirappalli	7.55
2018	Class XII	Narayana Junior College, Hyderabad Board: TSBIE	97.7%
2016	Class X	Sri Chaitanya School, Hyderabad Board: TSBSE	9.3

Academic Achievements

- Secured Second Position in a **National Level Hackathon** Conducted by NIT-Meghalaya in 2020
- Stood among the top 3% of JEE aspirant students in **JEE-Mains** 2018.
- Secured **Rank 4** in **CV Raman Talent Search Exam** at the School level in 2014.
- Selected for Scholarship in **SAKSHAM-2021** conducted by Medhavi National Scholarship scheme.
- 5 Star skill rating in Python, Problem Solving in **HackerRank**.

Internship Experience

- **IoT Trainee, Electronics Corporation of India (ECIL), Hyderabad** *May 2021 – June 2021*
Underwent an Internship training program at ECIL, Hyderabad. The training involved learning about Embedded systems and the Internet of Things. The training also involved understanding new security systems opted by the banks for protection for vaults and safes which will ultimately make banks an efficient way of banking. The internship has a mandatory project completion under the IoT domain.
- **Digital Marketing Intern, SNG Media, Mumbai** *May 2020 – June 2020*
Internship at SNG Media is mainly focused on the marketing department. The Internship included Inspecting and Analyzing web trends and using them to grow the company in its stature. Attended weekly interns meet to visualize the objective of the coming week. Prepared reports detailing project updates, performance information, and ongoing trends.

Projects

- **Personal Portfolio Website** *June 2021*
This Project is a personal portfolio website that displays my qualifications, projects & knowledge of my skills. The website has 6 different sections like Home, About, Skills, Services, Portfolio, and a Contact section. This Project is developed using **HTML**, **CSS**, and basic **JavaScript** which have many small animations and sidebars. This website is entirely built on **Visual Studio Code** and hosted on **Netlify**.

- **Arduino Based Home Security System using PIR and GSM module** *May 2021 – June 2021*

In this project, a home security system is developed using Proteus software. This **IoT device** includes a **door lock with a keypad**, **motion-detecting** sensor (PIR), and **SMS alert** feature using the GSM module. Here the door can be unlocked with a 6-digit password which can be typed onto the keypad and when the door is in a locked position the motion detector will be active and if any motion is observed and an immediate SMS alert will be sent to the owner. The entire code of this project is developed using **Arduino IDE**.

- **Sudoku Solver** *May 2020*

Sudoku is a puzzle game that has 81 boxes to fill in the numbers. This game developed using the **Pygame** module which can be used to develop games in **Python**. The Python code will use the method trial and error method to decide the answer to the puzzle. The application can answer in less than 10 seconds. This game is entirely developed in Python using **Visual Studio Code**.

Technical Skills and Certifications

- Programming Languages : C, Python, HTML, CSS, Assembly Language.
- Engineering Software : Proteus, MultiSim, MATLAB, Arduino IDE, Xilinx, Visual Studio Code.
- Other Software : Microsoft Word, Microsoft PowerPoint, Excel, Canva.
- Certifications : IoT Specialization (Coursera offered by University of California, Irvine /Online)
Analog Circuits (NPTEL, offered by IIT Bombay)
Python (HackerRank, /Online)

Positions of Responsibility

- **Head Volunteer, InTeCo Club (IoT), IIIT Tiruchirappalli** *Sept 2020 – Present*
Worked as a Head Volunteer in InTeCo Club, Internet of things Club at IIIT Tiruchirappalli, as a part of Volunteer team the work Includes from Organizing Guest Lectures from leading Individuals in IoT domain to Conducting various events every month and also occasional Workshops on new technology and hands-on-projects
- **Head Organizer of IoT workshop** *June – 2021*
Organized a Three-day long workshop on the Internet of Things as a part of the InTeCo Club, for the batch of 2020 of IIT Tiruchirappalli. Head of organizing team of three. The workshop demonstrates the use of new technology in IoT, Software to design a project more efficiently, and three hands-on-project demonstrations.

Extracurricular Activities

Social Activities:

- A volunteer under the **World Youth Council** a not-for-profit organization, which aims at providing individual attention and education to students with below-average schooling.

Sports Activities:

- Secured Second Place in Football Men in **Prothymos'19**- the inter-department sports fest organized by IIIT Tiruchirappalli.

Others

Languages: English, Telugu, Hindi

Interests: Football, Cooking, Fantasy Novels.

Socials: [LinkedIn](#) [GitHub](#) [HackerRank](#)