Shourya Pandey

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Passionate Bachelor of Technology student in Electronics and Communication Engineering at Parul University, with a strong interest in digital electronics, satellite communications, LEO satellites, defense systems, and space technology. Skilled in electronics projects and innovative problem-solving.

EXPERIENCE

HackClub, Mathura,India — *Club Leader*

January 2023 - July 2024

Was working as a club leader of a branch of hack club at Mathura .Managing a team of 6 and a class of 20 students.

Maker or FreeLancer, Remote — *Freelancer*

2022 - 2023

Worked as a Freelancer For Many Clients and developed and learnt a lot of new skills and made a lot of connections.

Robotics Club, Club President

2023 - 2024

Headed the Robotics Club of New Delhi Convent Sr. Sec School , as its president.Conducted many workshops with students to promote stem and discuss new technological advancements.

Student Coordinator , Parul university, Part time

2024 - PRESENT

Student Coordinator at Parul University, responsible for organizing events and workshops, managing human resources, coordinating teams, and ensuring the seamless execution of activities through effective planning and leadership.

THMx , Parul university, Part time —Member

2024 - PRESENT

Member of The Hackers Meetup x Parul University, actively hosting and participating in workshops, gaining insights from experts, and connecting with established industry leaders in the field of cybersecurity.

ElectroClub, Parul university, Part time — Founder, Lead

2024 - PRESENT

Leading Electroclub at Parul University, fostering a multidisciplinary approach to innovation through collaborative projects, workshops, and skill-building initiatives.

SKILLS

TECHNICAL:

ELECTRONICS
C , CSS3 , HTML5
Django , Tailwind css
Web hosting
Web Development
PCB Design and Layout
3d Printing, Arduino ,Iot
Circuit Design,
Graphics Designing

Management:

Communication,Problem Solving,Club Development
Student Leadership,
Club Operations ,
Club Management

AWARDS

1. First Position in Strike 1 Core (Army) Swimming competition

2. Selected For Innovate for India and ideat for India (Ministry of electronics and Communication)

3. Held 1st position in Debate and extempore in School

ENGLISH,HINDI,
GERMAN(Learning)

EDUCATION

New Delhi Convent Sr. Sec School,Vadodara — *1 year Student*

July 2024 - PRESENT

B.Tech student in Electronics and Communication Engineering at Parul University, focused on digital electronics, satellite communications, and space technology. Student Coordinator , THMx member , Founder and Lead BramhaBolts.

New Delhi Convent Sr. Sec School, New Delhi — *12th grade*

April 2023 - PRESENT

President robotics club , and done class 12th with 72%

The Army Public School, Dhaula Kuan,New Delhi — *10th grade*

July 2018 - July 2022

 Alt Ambassador , Robotics Club leader and done class 10th with 85%

PROJECTS

4 Bit adder and Subtractor Circuit

I made a 4-bit adder and subtractor circuit using 74HC86, 74HC32, and 74HC02 to explore the world of digital electronics, gaining hands-on experience with logic gates and arithmetic operations.

TinyGs

TinyGS is a small ground station designed for LEO satellite telemetry using LoRa modules and ESP32. It enables communication with Low Earth Orbit satellites, receiving telemetry data through LoRa's long-range, low-power capabilities. The ESP32 acts as the microcontroller, handling signal processing and data transmission, making it an affordable and efficient solution for satellite communication. This project demonstrates practical application in satellite communication and IoT technology. For more details, you can visit tinygs.com.

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ARANYANI MARK 1 — *FUNDED BY HackClub*

The Aranyani Mark 1 imaging rover represents a pinnacle of technological innovation, blending cutting-edge robotics with advanced imaging capabilities. Its journey from conceptualization to deployment involves meticulous research

Sprig — *FUNDED by Hackclub*

Sprig, a revolutionary console crafted by students at Hack Club from scratch, empowers young coders to unleash their creativity. With its user-friendly interface and robust capabilities, Sprig enables students to code their own games in JavaScript effortlessly. Offering a free platform for experimentation and learning, Sprig is revolutionizing the way students engage with programming and game development

(https://sprig.hackclub.com/)

ARBD -1 Model Rocket Launch System — *FUNDED by HATCH 'N' HACK (In Progress)*

The ARBD-1 Model Rocket Launch System, a collaborative project with Hatch and Hack, harnesses the power of Arduino technology for enthusiasts. Custom-built and not commercially available, it offers precise control and monitoring functionalities for model rocket launches. From ignition sequence to liftoff, the ARBD-1 exemplifies innovation and DIY spirit in the realm of hobbyist rocketry.

SARDAR VALLABHBHAI PATEL TRIBUTE WEBSITE

Designed and developed a poignant tribute website dedicated to Sardar Vallabhbhai Patel, showcasing my adeptness in web development. Seamlessly integrated multimedia elements, historical timelines, and interactive features to honor Patel's contributions to India's history.

(https://sardarvjpwebart.netlify.app/)

APJ Abdul Kalam Legacy Website

Crafted a comprehensive website paying homage to the enduring legacy of APJ Abdul Kalam, highlighting my expertise in web development. Implemented innovative features, including interactive timelines and educational resources, to commemorate Kalam's life and achievements.

(https://drapjgift.netlify.app/)

Joo.Design Portfolio Website

Elevated the online presence of graphic designer Joo.Design through a bespoke portfolio website. Leveraged my expertise in freelancing to create a visually stunning platform that showcases Joo's creative work and talents to potential clients.

(https://joo.design/)

SHOURYA MAKER LAB Portfolio Website (IN PROGRESS)

Transitioning my personal portfolio website from static to dynamic using Django, showcasing my evolving web development skills. Leveraging Django's framework, I'm implementing dynamic features for enhanced user experience, reflecting my commitment to innovation.

(https://shourya-maker-lab.github.io/portfolio/)