

DEEPAK PAL

ELECTRONICS AND COMMUNICATION ENGINEERING

CONTACT



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Rustamji Institute Of Technology
(RJIT), Tekanpur, Gwalior, Madhya
Pradesh- 475005

SKILLS

- **Software Tools:** Blender 3D, Autodesk Fusion 360, SolidWorks, Android Studio
- **Embedded Systems:** Arduino, ESP32, RFID, Actuators, PCB Design
- **Programming:** Python, C, JAVA
- **Soft Skills:** Communication, Teamwork, Problem-Solving, Leadership, Time Management
- **Other Skills:** UI/UX Design, Digital Marketing, Natural Language Processing, 3D Rendering

EDUCATION

- **B.TECH IN ELECTRONICS & COMMUNICATION ENGINEERING** *Aug 2022 - Apr 2026*
FROM RUSTAMJI INSTITUTE OF TECHNOLOGY
- **Intermediate** *Apr 2021 - JUN 2022*
TECHNO INDIA MODEL SCHOOL,
KOLKATA, WEST BENGAL-700091
Discipline: SCIENCE
- **Matriculation** *Apr 2021 - JUN 2022*
ST. FRANSIC ACADEMY, KOLKATA,
WEST BENGAL-700091

ADDITIONAL ACHIVEMENTS

I attempted SSB selection process twice, fostering character development, social skills, and enhancing confidence. Well-suited for leadership roles and adept in handling challenging situations.

PROFILE

Motivated Electronics & Communication Engineering student passionate about innovation and eager to tackle technical challenges. I bring a proactive mindset, a genuine curiosity for exploring new technologies, and an enthusiastic commitment to continuous learning. Eager to apply my skills in CAD and Blender, I thrive in collaborative environments where creative ideas merge with technical expertise to drive innovative solutions.

WORK EXPERIENCE

Team Robolution

2023 - present

- **Robocon 2023**
as an active member of Team Robolution my cad and blender skills contributed in ABU Robocon, we were able to secure 21st rank in all India among many teams.
- **FDP (AUTODESK FUSION 360)**
As a member of 'TEAM ROBOLUTION,' actively participated in a Faculty Development Program (FDP) at college, focusing on collaborative training with Autodesk Fusion 360. Demonstrated dedication to enhancing faculty skills and integrating advanced technologies into education.
- **Mini Drone**
Developed a mini drone using ESP32-C3 and MPU6050 for stable flight, integrating control algorithms and 3D CAD modeling for design and prototyping.
- **RFID Attendance System**
Designed and implemented an RFID attendance system using RFID reader, microcontroller, and display. Enabled real-time attendance tracking in diverse settings, enhancing efficiency.
- **Automatic Room Lighting & Occupancy Display**
Designed and executed an Automatic Room Lighting & Occupancy Display as smart room solution for energy-efficient lighting & real-time occupancy awareness.
- **PCB Shaker**
PCB shaker is a self-made device designed to shake printed circuit boards (PCBs).
- **Techfest**
Contributed as a team member of "Team Robolution" at IIT Patan and IIT Bombay Techfests, participating in Aeromodeling, RC boat, and RC car competitions, showcasing proficiency in hands-on projects and collaborative problem-solving.
- **Gesture Music control**
Developed a web system generating tones and visuals through real-time finger gestures.
- **TO-DO LIST DESKTOP APP**
Using Electron.js for task management with a clean UI and productivity-focused features.
- **Be Focus – Chrome Extension**
a extension that blocks recommendation videos and offers customizable content blocking to minimize distractions and enhance productivity, enabling a more focused browsing experience.

Internship

- **At Educatified, Virtual** *Oct 2023 - Nov 2023*
Initiated contributions with video editing and content writing at Educatified, an online educational platform catering to engineering students.
- **UI/UX Design Intern at CodSoft** *Nov 2023 - Dec 2023*
Gained experience in user interface and user experience design, contributing to the development of intuitive and engaging digital products.