RUPAM PAL

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EDUCATION

BSc IT Cyber Security

**Maulana Abul Kalam
Azad University of
Technology**

2021 - 2024

Class - XI

**Bargachia Union
Priyanath Pathshala**

2021

Class - X

**Pantihal Damodar
Institution**

2019

LANGUAGES

English ━━━━━━━━

Hindi ━━━━━━━━━━

Bengali ━━━━━━━━━

SKILLS

CYBER SECURITY

- My core strengths on cyber security -
  - **TCP/IP Protocols**
  - **Web Application penetration testing**
  - **Information security**
  - **Network pentesting**
  - **Nessus**
  - **Kali Linux**
  - **Wireshark**
  - **Metasploit**
  - **Nmap**
  - **Burp Suite**
  - **SQLMap**

PROGRAMING LANGUAGE

- **Python**
- **JavaScript**
- **C (Basic)**

WEB DEVELOPMENT

- My core strengths on Web development -
  - **HTML / CSS**
  - **Javascript**
  - **React JS**
  - **Bootstrap**
  - **Node js**
  - **Express js**
  - **MongoDB**
  - **PHP**
  - **SQL**
  - **Git/Github**

PROJECTS

IOT-BASED SOIL EROSION MONITORING SYSTEM

- Developed an IoT solution with ESP32 and sensors to monitor soil erosion, visualized via Blynk.
- Created an email alert system to notify clients of erosion risks, helping farmers manage soil health.

EDUCATIONAL PLATFORM FOR CONNECTING TEACHERS AND STUDENTS

- Built a MERN stack app where teachers create profiles and students find tutors by location and subject.
- Implemented user authentication, real-time profile management, and a matching system for seamless connections.