# Riya Pandey

pandeyriya1603@gmail.com  +91-9793386616   linkedin.com/in/riya-pandey
https://github.com/Riya-Pandey16

## Education

| Year | Degree | Institute/School | Score |
|------|--------|------------------|-------|
| 2021-2025 | B.tech in Electronics Engineering | Rakiya Engineering College, Sonbhadra | 8.33Sgpa |
| 2019-2021 | Intermediate | D.A.V Public School, Robertsganj, Sonbhadra | 91.8% |
| 2018-2019 | High School | St. Joseph's Convent High School, Robertsganj, Sonbhadra | 94% |

## Project, Internship and Certifications

### Internship – Advanced Tech Energy Solutions

- Gained practical exposure to industry-standard electronic systems and energy solutions.
- Gained experience in circuit design, testing, and troubleshooting, improving hardware functionality.

### Project 1: PAPR Reduction in OFDM using DCT- Precoded SLM Technique

- Developed a method to reduce PAPR in wireless OFDM systems.
- Used DCT-based SLM to improve signal efficiency and reduce distortion.
- Validated the approach through MATLAB simulations and analysis.

### Project 2: Web Inventory Management App

- Built a role-based inventory management system using Flask.
- Implemented secure login, CRUD operations with separate dashboards for Admin (can add/edit/delete products) and Staff (view-only).

### Project 3: University Social Media App

- App named UniConnect is a web-based social media platform for university students, built with Vue.js (CLI) and Flask.
- It enables secure registration, login, content sharing (notes, videos, ideas), peer messaging, group formation, and study sessions.

### Certifications

- VLSI for Beginners – Gained foundational knowledge of circuit design and semiconductor technology.
- What is Generative AI? – Explored AI models and their applications in automation and innovation.

## Extra-Curricular Activities

- Sports: Participated in school-level Basket Ball Competitions, enhancing teamwork and strategic thinking.
- Won 2nd position in Essay Writing (school level) – strong analytical & writing skills.
- Won 1st position in Quiz Competition shows quick thinking & problem-solving.

## Skills

- **Languages:** Python, C, JavaScript, HTML, CSS, SQL, MATLAB
- **Frameworks:** Node.js, React.js, flask, vue.js
- **Databases:** SQLite, SQLAlchemy, MongoDB
- **Tools**: git, MS Excel
- **Soft Skills**: Communication, Leadership, Quick Learner, Analytical Thinking