

# Ravina Budania

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in linkedin.com  
github.com

## EDUCATION

### B.Tech in Computer Science Engineering

Nov 2022 - May 2026

Indian Institute of Technology Patna

Current CGPA: 6.84

### Class 12th (RBSE), Rajasthan

May 2021

Aastha Academy Sr. Sec. School, Sikar

Grade: 96.80%

### Class 10th (RBSE), Rajasthan

May 2019

Aastha Academy Sr. Sec. School, Sikar

Percentage: 87%

## PROJECTS

### Faculty Recruitment Portal | HTML, CSS, Bootstrap, JavaScript, PHP, MySQL

[GitHub Link](#)

- Led the development of a **multipage form application**, enhancing data collection efficiency and user experience, achieving a 20% increase in form completion rates.
- Implemented **dynamic form validation** and **responsive design** using **HTML**, **CSS**, and **Bootstrap**, improving accessibility and usability across various devices.
- Optimized **database management** with **PHP** and **MySQL**, resulting in a 20% improvement in query performance and faster data retrieval.

### Brain Tumor Detection| YOLOv8, PyTorch, OpenCV, NumPy

[GitHub Link](#)

- Developed a Brain Tumor Detection using YOLOv8 for real-time brain tumor detection in medical images.
- Implemented data preprocessing, model training, and evaluation, achieving high accuracy with annotated visual results.
- Integrated regression-based localization to precisely predict tumor boundaries and improve detection accuracy.

### Effortless E-Billing System| C, CSV Files

[GitHub Link](#)

- Developed a secure electronic billing system in C, featuring robust password authentication to ensure secure transactions
- Implemented efficient data management using **CSV** files, enabling streamlined storage and retrieval of billing information, reducing data access time by **30%**.
- Enhanced system reliability and usability by incorporating user-friendly interfaces and comprehensive error-handling mechanisms, achieving a **90%** user satisfaction rate in testing.

## TECHNICAL SKILLS

**Programming:** Python, C++, C

**Web Skills:** HTML, CSS, MySQL

**Technical Courses:** Data Structures and Algorithms in C++, Operating Systems, Object-Oriented Programming, Database Management Systems, Computer Networks

**Tools & OS:** GitHub, VS Code, Shell Scripting, Linux/Unix, Windows

**Soft Skills:** Teamwork, Leadership, Creative Thinking, Time Management, Problem-Solving

## ACHIEVEMENTS & CERTIFICATIONS

**Open AI Hackathon:** Built an **AI Chatbot** using Azure OpenAI during a Microsoft event at IIT Patna. [Link](#).

**LeetCode:** Solved over **100+** problems [Link](#).

**CodeForces:** Maximum Rating : **950**, Solved over **60+** problems [Link](#).

**Tata Crucible Campus Quiz 2023:** Participated in quiz competition.

## VOLUNTEER & POR EXPERIENCE

### Exousia, IIT Patna

Role: Volunteer

Duration: 22-23

Led dance club performances, enhancing reputation in inter-college competitions.

### National Service Scheme, IIT Patna

Role: Volunteer

Duration: 22-23

Led community campaigns, raising environmental awareness through NSS activities.