

SHREYA BHATTACHARYA

✉ sbhattacharya294@gmail.com ☎ +91-6388024074 🌐 [linkedin.com/in/shreya-bhattacharya-76817a309](https://www.linkedin.com/in/shreya-bhattacharya-76817a309)

📍 Hardoi, UP

PROFILE

Quick to learn new concepts and technologies, committed to applying my skills and contributing to team success in a professional setting

EDUCATION

VIT BHOPAL UNIVERSITY, Oct 2022 – present

B.Tech in Electronics and Communication (CGPA: 8.23)

- Studied core subjects like Digital Electronics, Microprocessors, Communication Systems, Embedded Systems, and VLSI Design.
- Developed a strong foundation in programming, circuit design, and signal processing for real-world applications.

ST. XAVIER'S HIGH SCHOOL, 2019 – 2021 | Hardoi, India

High Schooling- PCM (10th : 89.8% | 12th : 84.16%)

- Gained a strong analytical foundation, problem-solving skills, and practical knowledge in scientific concepts, preparing for an engineering career.

PROJECTS

Gas Level Monitoring System | Hardware Project

- Developed a gas level monitoring system utilizing the MQ-02 sensor and Raspberry Pi Pico for real-time gas detection.
- Integrated cloud-based data visualization for remote monitoring, ensuring safety and preventive alerts.

Designing BioSensors (HEMT) using Silvaco

- Designed and simulated sensors using HEMET technology in Cadence.
- Focused on optimizing sensor performance for precise detection and efficiency, applying semiconductor design principles and advanced modeling techniques.

TECHNICAL SKILLS

- | | |
|----------------------|--------------------|
| • C/C++ | • Java Programming |
| • Python Programming | • LT Spice |
| • MongoDB | • MySQL |
| • VLSI Design | • Machine Learning |

CERTIFICATES

MongoDB Database, FacePrep	Jan 2025 – Mar 2025
VLSI Desing Certification, Maven Silicon	Jan 2025 – Mar 2025
Computer Vision, Vityarthi	Aug 2024 – Oct 2024
Bits and Bytes of Computer Networking, Coursera	Nov 2023 – Feb 2024

EXTRACURRICULAR ACTIVITIES

Volunteer (National Symposium, ANRF)

Actively contributed in volunteering the event and learned event management. I gained hands on knowledge in innovations in intelligent systems.