

Anisa Fatima

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EDUCATION

B.Tech, Electronics and Telecommunication

2023 - 2027

Government Engineering College, Raipur

TRAINING

Signal and Telecom Department – Vocational Training

Jul-Aug 2025

DRM Raipur

- Gained hands-on experience in railway signaling and telecommunication systems, covering signal interlocking, track circuits, optical fiber communication, and maintenance with real-time monitoring

PROJECTS

Software Projects

AI-Powered Fake News and Misinformation Detection Tool

Sep 2025

- Developed an AI-powered tool to detect, analyze, and visualize misinformation spread across social media and online platforms. Tech Stack: React, Pillow, ImageHash, Transformers (Hugging Face), and Gemini GenAI.

Centralised Platform for Comprehensive student activity records

Oct 2025

- Developed a web application offering a unified ecosystem for students, teachers, and administrators, featuring real-time academic and co-curricular dashboards with faculty-approved validation using Next.js.

Sovereignsistren: Women Empowerment and Education Platform

2024

- Sovereignsistren is a web platform dedicated to empowering women through education, providing essential resources, information, and support for their growth and well-being.

Hardware Projects

Smart Dual Role Spraying System

2024

- AI-enabled agricultural drone capable of precision pesticide/fertilizer spraying and real-time crop monitoring using onboard sensors and cameras for disease detection and yield analysis.

Automatic Railway Signaling System — DRM Raipur

2025

- Developed an Arduino-based automatic railway signaling system using IR sensors and LEDs to detect train movement and control multi-sector signal lights.

Line Follower Bot

2024

- Designed a robot capable of autonomously following a pre-defined path using motor driver and IR sensors for path detection.

TECHNICAL SKILLS

Hardware Engineering: Circuit Design, Embedded Hardware Development, Sensor Integration, Microcontrollers (Arduino, ESP32, etc.), VLSI Design

Software And Web Development: Next.js, React.js, Node.js, Express.js, MongoDB, Tailwind CSS, HTML, CSS, JavaScript

Programming Languages And Tools: Python, C/C++, Google Cloud Platform, Git/GitHub

ACCOMPLISHMENT

- Qualified for the Gen AI Exchange Hackthon 2025 Prototype Refinement phase
- Won SIH internal Hackathon 2025
- won SIH internal Hackthon 2024

POSITION OF RESPONSIBILITY

- Core team member at Ihub , gdsc,robotics and Entrepreneurship Club, GEC Raipur.
- Team member of Robotics Team, Technosaur,GEC Raipur . Contributed to the design, development, and optimization of robots.