



SANKET BARIK

ELECTRONICS AND INSTRUMENTATION STUDENT

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CONTACT

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Address:

ROURKELA, ODISHA

SOFT SKILLS

- Teamwork
- Time Management
- Leadership
- Effective Communication

TECH SKILLS

- C++
- HTML
- Data Structures
- Algorithms
- Web Development
- Javascript
- ReactJS
- CSS
- SQL, MySQL
- FIGMA
- MATLAB
- MULTISIM

LANGUAGES

- English (Fluent)
- HINDI (Fluent)
- ODIA (Fluent)



PROFILE

Motivated Electronics and Instrumentation Engineering student at Odisha University of Technology and Research with practical experience in embedded systems, circuit design, and programming. Proficient in C++, HTML, JavaScript, ReactJS, SQL, MATLAB, and Multisim. Developed projects like an autonomous obstacle-detection vehicle and an analog DC motor controller with PWM and thermal protection. Completed a Data Science micro-internship with IBM SkillsBuild and currently pursuing vocational training at Rourkela Steel Plant.



EDUCATION

Bachelor of ELECTRONICS AND INSTRUMENTATION

2022- 2026

School of Electronics | Odisha University of Technology and Research

CGPA: 8.46 / 10.0

DEEPIKA ENGLISH MEDIUM SCHOOL

2020 - 2022

12 CLASS | CBSE

PERCENTAGE 88%



PROJECTS

Autonomous Obstacle Detection Vehicle

Built an autonomous car using Arduino and ultrasonic sensors for real-time obstacle detection and avoidance. Implemented motor control, sensor calibration, and basic pathfinding, showcasing embedded systems and robotics skills.

Technologies Used: Arduino IDE, Embedded C/C++

Analog DC Motor Controller with PWM, Direction Control, and Thermal Protection

Developed a fully Analog DC motor controller using NE555 timers, L293D driver IC, and discrete components. Enabled speed control via PWM, bidirectional rotation, and protection features including overcurrent sensing and temperature-based alerts using a thermistor.

Technologies Used: NE555 Timer (Astable & Monostable), Thermistor (NTC), Voltage Divider, L293D

SIH FERTILIZER RECOMMENDATION APP UI

A clean, intuitive Figma UI for a fertilizer recommendation app featuring crop selection, soil input, weather integration, and tailored nutrient suggestions to help farmers optimize yield and environmental sustainability.

LINKS: <https://www.figma.com/design/3tyuBNdyzf2XCfluiC1q0/EDUMINATTI-ASSIGNMENT?t=7IjJsvRWc2xQpNpC-1>

EDUMINNATI PROJECT

EduMinnati is a smart recommendation platform that helps students discover top schools and universities using AI-driven filters based on location, courses, fees, rankings, and user preferences.

LINKS: <https://www.figma.com/design/3tyuBNdyzf2XCfluiC1q0/EDUMINATTI-ASSIGNMENT?t=7IjJsvRWc2xQpNpC-1>



EXPERIENCE

IBM SkillsBuild CSR BOX Microinternship DATA SCIENCE 20 Feb 2024-05 Mar 2024

ROURKELA STEEL PLANT VOCATIONAL TRAINING 10 May 2024 - 09 Jun 2024