Rajdeep Barik

Electronics and Communication Engineer

Contact

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rajdeepbarik5@gmail.com Date of Birth: 31/01/2003

Profile

Enthusiastic and forward-thinking engineering student with a passion for innovation and a strong problem-solving mentality. I dedicated to harnessing my academic knowledge and practical skills to contribute meaningfully to the field I will work.

Skills

Coding C | Python | HTML | CSS | JavaScript | Excel | SQL

Tools AutoCAD | Canava | MATLAB | DaVinci Resolve Studio | Git.

Certification Industrial Training on Telecom Technology from NSCBTTC, KALYANI BSNL LTD

Hobbies Music, Content Writing, Football, Photography

Education

School

2018-19 10th Grade 85%

2020-21 12th Grade 84%

C.M.S High School, Burdwan

College

2021-25
Avg CGPA 7.54 (up to 7th Sem) 1 Active Backlog

STCET, KOLKATA

Key skills and characteristics

- Critical thinking
- Handling pressure
- Leadership
- Problem solving
- Microsoft Office Suite
- Adaptability

Project and Research papers

Smart Environmental Monitoring System:
group project consisting of both Hardware and Software (ARDUINO IDE) for creating a Smart Environmental Monitoring system (GRS 1.0) to early detection of smoke and temperature changes for protective action and quick access to live images for instant assessment. (Paper Accepted by IIC ~ Under Review)

Weather View Website:
Project consisting of Software (HTML, CSS, JavaScript) for creating a Weather View Website.

Home Security:
provide an additional layer of security and authentication. This innovative system utilizes facial recognition technology to identify and verify individuals, ensuring that only authorized personnel can access secure areas or sensitive information.

Autonomous Driving with Navigation using Google Maps:
The Autonomous Driving with Navigation using Google Maps project combines computer vision with Google Maps API for self-driving capabilities. Built using Raspberry Pi and various sensors, the system features object detection, lane tracking, and real-time navigation. I designed the complete hardware setup and user interface. The project implements deep learning models for traffic sign recognition and obstacle avoidance, demonstrating practical autonomous navigation solutions. (Research paper to be published by IEEE).