GAURAV MISHRA

Ludhiana, Punjab

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology   Oct. 2022 - June 2026
B.Tech - Electronics Engineering   *CGPA till 3rd sem. - 7.1*

COURSEWORK / SKILLS

- Electronic circuits
- Solid-state electronics
- Matlab
- Web Technology
- System Design
- Controls System
- Digital signal processing
- Communication System

EXPERIENCE

GyanArpan ⧉ **| Center Head and Teaching Volunteer**   **April 2023 - Present**

- A CSR initiative by RGIPT to ensure free and quality education to 9th to 12th class students of Amethi District. Promoting scientific and technical knowledge among the school students. **As Center Head for the Gyanarpan initiative, I managed the delivery of free education in government schools and implemented programs to enhance teaching quality and access for underserved students.**

- :As a Teaching Volunteer I Planned and delivered engaging lessons tailored to the needs and interests of students, resulting in a 20in student participation and academic performance

PROJECTS

Line Maze Solver | Arduino Uno,IR sensor,Motor Driver, circuit Design   **Nov.23 - Dec.23**
- Developed a line maze solver algorithm incorporating image processing and machine learning.
- Implemented real-time path finding and obstacle avoidance for autonomous navigation.
- Demonstrated strong problem-solving skills and algorithmic proficiency in maze solving.

Obstacle Avoidance Robot | ultrasonic sensor,Motor driver(L293D),Arduino UNO   **Sept.23 - Jan.24**
- Led the development of an Obstacle Avoidance Robot, overseeing design, algorithm development, hardware integration, and testing phases.
- Formulated algorithms for obstacle detection and avoidance, optimizing navigation path in dynamic environments.
- Orchestrated hardware integration, ensuring seamless functionality and precise maneuverability of the robot.

TECHNICAL SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript
Technologies/Frameworks: HTML5, CSS3, React.js, Node.js, Bootstrap, Vanilla CSS
Tools: Git/GitHub, Docker, AWS, Unix Shell, VS Code, Anaconda
Soft Skills: Communication, Creativity, Team Work, Leadership

CERTIFICATIONS

- Certified Marketing Insider Expertise
- Linkedin Content and Creative Design
- LinkedIn Marketing Solutions Fundamentals
- LinkedIn Marketing Strategy

Leadership/EXTRACURRICULAR

- Secured AIR 21053 in IIT JEE (JEE Advance) Entrance Examination among 10 lakh students.
- Achieving the 1st position in the LINE MAZE SOLVER at Urjostav
- As Event Head at IPR Workshop, Department of Electronics (RGIPT), actively contributed to organizing Event workshops
- Achieving the 1st position in the Snooker at ENERGIA .