

Md. Abdur Rahman

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PROFILE

A motivated Electrical and Computer Engineering student with a strong foundation in computer science. Skilled in programming languages such as C, C++, Python, and Java, as well as web development technologies like HTML, CSS, JavaScript, Tailwind CSS, and React. Familiar with basic machine learning and deep learning concepts. Actively participates in Codeforces contests and team challenges, enhancing teamwork, leadership, and problem-solving skills.

EDUCATION


Bachelor of Science in Electrical and Computer Engineering Jan 2020 – Mar 2025
Rajshahi University of Engineering & Technology Rajshahi, Bangladesh


PROFESSIONAL EXPERIENCE


Industrial Attachment (Internship) Mar 2024 – Apr 2024
Monstarlab Bangladesh Dhaka, Bangladesh


- Learned Agile methodology, Jira, and GitHub for project management and version control.
- Worked in a team, contributing to React frontend development and participating in daily stand-ups.
- Collaborated on building a website with version control via GitHub.

PROJECTS

E-commerce Website 
Technologies: Angular, HTML, CSS
Designed and implemented the frontend and login functionality for an e-commerce platform. Utilized Angular to create a responsive and user-friendly interface with secure authentication, enhancing the overall user experience.

Ed-Tech Website 
Technologies: ReactJS, HTML, CSS, Firebase
Collaborated with a team to build a frontend website during the industrial attachment. Utilized CI/CD pipeline and deployed the website using Firebase for continuous integration and delivery.

Fire Fighting Robot Car 
Technologies: Arduino uno, servo motors, motor drivers, flame sensors
Built a robot using Arduino to detect and extinguish fires autonomously. Utilized IR sensors for fire detection, a servo motor for precise targeting, and a water pump for suppression. Demonstrated skills in robotics, Arduino programming, and automation.

Automatic Plant Watering System 
Technologies: Arduino Uno, soil moisture sensor, relay module, water pump.
Developed an Arduino-based system that automates plant watering by detecting soil moisture levels. Used a soil moisture sensor to monitor dryness and a relay module to control the water pump, ensuring efficient irrigation.

Agriculture Information Portal
Technologies: HTML, CSS, PHP
Built a Bangla website providing detailed information on crops and their diseases in Bangladesh. Designed a user-friendly interface and used PHP to manage dynamic content, offering practical solutions for farmers and agricultural enthusiasts.

SKILLS

Programming Languages and Frameworks
C++, C, Python, JavaScript, Java, SQL, HTML, CSS, Tailwind CSS, React, Angular, Matlab

Problem Solving
Codeforces  (max. **pupil, 1361**): Participated Contest regularly and solved **1000+** problems.

AWARDS

ECE Youth Programming Contest	2022
Math Olympiad Regional	2017