

Farhan Mahmood

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PROFILE

Electronics and Communications Engineering student actively pursuing a full-time degree. Committed to leveraging technical skills and knowledge to contribute to innovative projects and drive advancements in the field of Electronics and Communications Engineering along with Computer Science technologies. Proficient in Java, JavaScript, and React JS, with a good foundation in PLC & SCADA, and VLSI.

EDUCATION

B Tech - Electronics and Communication Engineering

RVS College of Engineering and Technology

present

Jamshedpur, India

Diploma - Electrical Engineering

Al-Kabir Polytechnic

Jamshedpur, India

SKILLS

Java

Solid understanding of core Java concepts, including object-oriented programming (OOP) principles and data structures. I have used these concepts to solve the Data Structures & Algorithms problems in platforms such as GeeksforGeeks and Leetcode.

JavaScript

Proficient with JavaScript Advanced Concepts and understanding of the latest ECMAScript standards and features (ES6+).

React JS

Actively developing skills in building user interfaces using React JS such as personal portfolio, getting familiar with React component structure along with practicing writing clean and reusable React code.

PLC & Scada

Understanding of Programmable Logic Controllers (PLCs) and their role in industrial automation.

VLSI

Understanding of digital logic design principles and hardware description languages (HDLs) like Verilog or VHDL. Have exposure to VLSI design tools such as Xilinx.

PROJECTS

Smart Home Automation via Cloud-Based IOT

- IoT-based home automation using the Blynk platform and Node-MCU enables user to remotely control electronic devices in their home using a smartphone application.
- It involves using a Node-MCU board, a relay module, sensors or electronic devices, as well as programming the board using the Arduino IDE software and creating a custom dashboard in the Blynk app to control the devices.
- Once completed, you can remotely control devices such as lights or temperature, and monitor your security system from your smartphone.

Text Utility App

- Developed using ReactJS and Bootstrap. It is a text utility tool which when provided with a text gives word count, character count, converts it to upper case and lower case, removes extra spaces, special characters etc.
- Dark mode feature is available which users can use to switch between light and dark theme as desired.
- Uses React Router to navigate between pages.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals

Microsoft

Microsoft Certified: Azure AI Fundamentals

Microsoft

VLSI Design

Internshala

PLC & Scada

Internshala