Farhan Mahmood

✉ farhan.akp17el@gmail.com   📞 7004048940   📍 Jamshedpur, India   in www.linkedin.com/in/10-farhan-mahmood

⚑ https://farhan2804.github.io/portfolio/

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   present
RVS College of Engineering and Technology   Jamshedpur, India

Diploma - Electrical Engineering   Jamshedpur, India
Al-Kabir Polytechnic

SKILLS

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.

JavaScript
Proficient with JavaScript Advanced Concepts and understanding of the latest ECMAScript standards and features (ES6+). Experience in developing dynamic and interactive web applications using JavaScript, HTML, and CSS.

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.

PLC & Scada
Proficient in programming Programmable Logic Controllers (PLCs) and designing Supervisory Control and Data Acquisition (SCADA) systems for 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.

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.

VLSI Projects using Verilog(HDL)
- FPGA Based Parking Management System, Vending Machine Design, Traffic Light Controller, and an 8-Bit ALU.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals 🔗   **Microsoft Certified: Azure AI Fundamentals** 🔗
Microsoft   Microsoft

VLSI Design 🔗   **PLC & Scada** 🔗
Internshala   Internshala