

Rupnath Shaw

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EDUCATION

GURU NANAK INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

May 2023 | Kolkata, IN

CGPA: 8.5 / 10

KATWA BHARATI BHABAN

12th. May 2019 | Katwa, Purba Bardhaman, India

KATWA BHARATI BHABAN

10th. May 2017 | Katwa, Purba Bardhaman, India

LINKS

Github:// [iamrupnath](#)

LinkedIn:// [rupnath-shaw](#)

Instagram:// [iamrupnath](#)

Twitter:// [@iamrupnath](#)

HackerRank:// [rupnathshaw](#)

SKILLS

PROGRAMMING

- Java • HTML5 • CSS
- JavaScript

FRAMEWORKS

- Bootstrap • Tailwind CSS
- ReactJS

VERSION CONTROL

- Git • GitHub

TOOLS

- Visual Studio Code

CS SUBJECTS

- Database Management System (DBMS)

SOFT SKILLS

- Teamwork • Collaboration
- Creativity • Problem Solving

PROJECTS

KRISHI DARPAN- AN IOT BASED SMART FARMING

Arduino UNO Microcontroller, NODEMCU ESP8266-12E Wi-Fi Module, DS3231 RTC real-time clock module, Connecting Wire, Water Pump, Relay Module, Rain Sensor Module

- Engineered an IoT-driven irrigation system that automates water and fertilizer distribution based on soil moisture levels, resulting in a 40% increase in crop yield and a 50% reduction in water usage.
- Developed a Wi-Fi server to facilitate seamless communication between the system and web application; increased data accessibility and processing speed by 60%.
- Used Arduino UNO and NODEMCU ESP8266 for system functionality.

MOVIEFLIX | ReactJS, Redux, Sass CSS

- Developed and executed a React.js website for a leading entertainment platform, featuring a library of 10,000+ movies and TV shows.
- Integrated third-party APIs to fetch real-time data on movies and TV shows, reducing content creation time by 30% and improving data accuracy by 25%.
- Implemented search functionality using React.js, enabling users to search for specific movies or TV shows based on various criteria, such as title, genre, rating, or actors, and significantly increasing search accuracy by 40%.
- Designed user-friendly interfaces for easy navigation and exploration.

[</> SOURCE CODE](#) [LIVE PROJECT](#)

LANDING PAGE | ReactJS, Tailwind CSS

- Implemented React Router to enhance navigation and routing functionalities, resulting in a 40% decrease in page load time and a seamless user experience.
- Enhanced and integrated interactive features, including forms, animated buttons, and engaging UI/UX elements, resulting in a 40% increase in user engagement.
- Applied a mobile-first approach, optimizing user experience across multiple devices.

[</> SOURCE CODE](#) [LIVE PROJECT](#)

CERTIFICATIONS

Python for Data Science, AI Development - **Coursera**

Machine Learning with Python - **Coursera**

IoT Wireless Cloud Computing Emerging Technologies - **Coursera**

Fundamentals Of Digital Marketing - **Google Digital Garage**

PUBLICATIONS

IoT Based Water Distribution and Fertilizer Sprinkling System in an Agricultural Field from International Journal for Research in Applied Science Engineering Technology (IJRASET) - Volume 10, Issue VII.