SUKALYAN ROY

Kolkata, West Bengal

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EDUCATION

Maulana Abul Kalam Azad University Of Technology   **AUG 2021 – JUN 2023**
MCA - **CGPA** - *8.54*   *Kalyani, Nadia, West Bengal*

Kalyani Mahavidyalaya   **JUL 2018 – JUN 2021**
B.Sc - **CGPA** - *7.69*   *Kalyani, Nadia, West Bengal*

PROJECTS

Fix-it | HTML, CSS, JS, PHP   **Feb - 2021**
- **Prepared** a robust online mobile service center application utilizing HTML, CSS, JavaScript, and PHP, resulting in a **50%** reduction in service request processing time and significantly enhancing customer interaction efficiency.
- **Designed and implemented** an intuitive user interface that improved navigation efficiency, reducing average task completion time by **25%** and enhancing user satisfaction scores among beta testers by **15%**.
- **Architected** a high-performance PHP backend system that processed over 1,000 service requests daily, significantly improving operational efficiency and enhancing the customer experience by enabling quicker response time.

Digital Voteing Useing Mern full Stack | HTML,CSS , VSCODE, NODE.JS , REACT.JS **Nov - 2022**
- **Developed** a comprehensive **E-voting system** that boosted user engagement by **50%** through intuitive interface design and streamlined processes; integrated real-time analytics to monitor user interactions effectively.
- **Directed robust authentication mechanisms** to ensure voter eligibility and prevent unauthorized access, enhancing the overall security of the voting system.**70%**.
- **Engineered** Engineered a responsive web interface for election outcomes that improved user engagement by**40%**, enabling instant access to results and enhancing the transparency of the voting process for over 100 voters.
- **Devised** and **implemented an innovative blockchain** solution for electronic voting, resulting in reduced processing time by **40%** while ensuring **100%** accuracy in vote capture and audit trails across multiple elections.
- **Authored a real-time voting system** that facilitated immediate vote counting and results display, achieving a **98%** accuracy rate in election outcomes and significantly enhancing user engagement through an intuitive web interface.

E-Voting App | Java, Android Studio   **Feb - 2023**
- **Guided a user-friendly mobile E-voting app** with advanced security features, enhancing accessibility and ease of use for voters. **85%**
- **Executed** a comprehensive upgrade to security measures by integrating biometric authentication and end-to-end encryption, resulting in zero data breaches reported in the following year, ensuring compliance with industry regulations. **60%**.
- **Spearheaded the implementation of blockchain technology** for vote recording, ensuring a transparent and tamper-proof electoral process; achieved a **100%** reduction in voting discrepancies, bolstering public trust in elections.
- **Spearheaded** ongoing updates to app security features, resulting in a **40%** reduction in reported user issues and ensuring uninterrupted access to critical services, garnering positive feedback from over 100 active users.

TECHNICAL SKILLS

Languages: C++(OOPS ,Basic DSA), C, JavaScript, SQL .
Developer Tools: VS Code, Android Studio, Xcode .
Technologies/Frameworks: HTML, CSS, Bootstrap, Reactjs, Nodejs, Git, GitHub, .

CERTIFICATIONS

DSA with C++ | Udemy   – **Ongoing**
- Pursuing mastery of **DSA in C++**

Mern Full Stack Web Development | e-Job   – **Ongoing**
- Engaged in comprehensive **Full Stack** Web Development studies.