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EDUCATION

MASTER OF COMPUTER APPLICATIONS

Meghnad Saha Institute of Technology

Expected June 2025

Kolkata, WB

BACHELOR OF COMPUTER APPLICATIONS

Meghnad Saha Institute of Technology

Cumulative GPA: 9.1/10.0

2020-23

Kolkata, WB

PROJECT EXPERIENCE

Blockchain-based Electronic Voting Machine

- Electronic voting machine section research and implemented a blockchain-based voting system, utilizing ethereum and node js demonstrating understanding of decentralized Technologies.
- Simulated voting button input using an Arduino R3 provided a physical interface for users to cast their votes. This combination of hardware and software ensured a robust and interactive voting process.
- Implemented smart contracts to record securely and tally votes, ensuring that the voting process was immutable and tamper-proof.

Restaurant Management System

- **Project Purpose:** Developed to streamline restaurant operations, enhancing efficiency in order management, menu handling, and inventory tracking, ultimately improving customer service and operational oversight.
- **User Interaction:** Users can register and login to manage orders, view and update menu items, process billing, and manage inventory, all through an intuitive web interface.
- **Technologies Used:** Implemented using Java for back-end processing, HTML/CSS for front-end design, Java servlets for interactivity, and SQL for database management.

College Management System

- **Project Purpose:** Engineered a **CRUD** based college management system to streamline hierarchical data management and enhance transparency within educational institutions using **MERN** stack.
- **User Interaction:** Developed interactive dashboards for admins, principals, department heads, teachers, and students, enabling data access and updates based on user roles.
- **Technologies Used:** Node.js, React.js, Express.js, MongoDB

TECHNICAL SKILLS

- Programming Languages: Java, Javascript, c, c++, Python.
- Frontend Development: HTML5, CSS3, JavaScript, Bootstrap, React
- Backend Development: Node js, Java Servlet, Express.js
- Database: MySQL, mongoDB
- Version Control: Git
- Other: Linux, Docker containerization, Data Structures and Algorithms, Object-Oriented Programming

ADDITIONAL

Languages: Fluent in English and Hindi, conversational proficiency in Bengali.

Core Competencies: Product Ideation, Problem-Solving, Communication, Team Collaboration, Innovation.