BISWAJIT SAHOO

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Cuttack, Odisha, India

PROFILE SUMMARY

UGC NET Qualified Computer Science Researcher and Full Stack Developer with strong foundations in **Java, PHP, and Blockchain Technology**. Proficient in architecting scalable web solutions and designing relational database systems. Demonstrated expertise in developing E-Governance tools and educational platforms. Passionate about solving real-world problems through **Smart Contracts**, Algorithm Design, and optimized Data Structures.

EDUCATION

Central University of Odisha	Koraput, Odisha
Master of Science in Computer Science	*2024 – Present*
Ravenshaw University	Cuttack, Odisha
B.Sc. in Information Science & Telecommunication (IST)	*2021 – 2024*
Stewart Science College	Cuttack, Odisha
Intermediate in Science (+2)	*2019 – 2021*
Ravenshaw Collegiate School	Cuttack, Odisha
Matriculation (10th)	*2019*

TECHNICAL SKILLS

Programming Languages: Java, PHP, C, R, Python, Solidity (Smart Contracts), JavaScript.
Web Technologies: HTML5, CSS3, Bootstrap, Swiftmailler, Data Table, PHPMailer.
Databases: MySQL, Oracle SQL (ACID Properties, Normalization).
Tools & Platforms: Git/GitHub, VS Code, VirtualBox, VMware Workstation, Linux (Ubuntu), Android, XAMPP/Apache.
Core Concepts: OOPS, Networking, Operating Systems, Data Structures & Research Methodology.

TECHNICAL PROJECTS

Judicial Case Management System (JCMS) | *PHP, MySQL, Bootstrap, JS*   Nov 2023
- Architected an E-Governance web platform to digitize court case filings, reducing manual paperwork by creating a centralized "E-Case" repository.
- Designed a normalized MySQL database schema to handle complex relationships between petitioners, respondents, and case histories with high data integrity.
- Implemented Role-Based Access Control (RBAC) to ensure secure data handling for administrators and public users.
- Enhanced UI responsiveness using Bootstrap, ensuring accessibility across desktop and mobile devices.

Notes Share Platform | *PHP, SQL, File Handling*   Jan 2023
- Developed a peer-to-peer educational resource sharing platform allowing students to upload and retrieve study materials securely.
- Engineered server-side file handling scripts to validate and store varying document formats (PDF, DOCX).
- Optimized database queries for the search functionality, reducing retrieval latency for over 500+ document records.

Online Railway Reservation System | *HTML, CSS, PHP, SQL*   Aug 2022
- Built a console-based reservation system simulation using PHP to manage train scheduling and passenger bookings.
- Utilized MySQL for robust database connectivity, implementing transaction management to prevent booking conflicts (concurrency control).
- Applied Object-Oriented Programming (OOP) principles to create modular, maintainable code structures.

ACHIEVEMENTS & CERTIFICATIONS

UGC NET Qualified: Cleared the National Eligibility Test for Assistant Professor (Computer Science), validating high proficiency in academic and technical concepts.

Blockchain Research: Actively researching Supply Chain transparency using Ethereum and Smart Contracts.