NAVEEN KUMAR PANDIT

I am a research scholar at C.V. Raman Global University in Bhubaneswar, Odisha, working with Prof. Chandan Kumar Panda and Prof. Swatisipra Das. Designing and implementing safe and privacy-aware protocols for dispersed networks and systems is one of my research interests. My study focuses on the security of blockchain-based systems, cloud computing, and physical layer security.

EDUCATION

Title **B.tech in Computer Science and Information Technology**
C.V. Raman Global University, Bhubaneswar, India.
Dates November 2021 – May 2024
Grade Current CGPA – 8.03

Title **Diploma in Computer Engineering**
Government Polytechnic, Kharsawan, Jharkhand, India.
Dates August 2017 – January 2021
Grade Percentage – 67.5

RESEARCH & PUBLICATIONS

Title **BSCIAM: A Blockchain based Secure Cloud Identity and Access Management Framework (under Review)**
Desc Cloud computing relies on pay-per-use resources, but faces security flaws in centralized identity management. Decentralized solutions using blockchain, such as the proposed "BSCIAM" model with Ethereum, enhance trust, immutability, and transparency in identity token generation and verification, overcoming centralization issues.
Team [1*] Swatisipra Das, [2] Mohammad Sahil, [3] Naveen Kumar Pandit, [4] Rojalina Priyadarshini, [5] Sarada Prasad Gochhayat

Title **BIDAM: Blockchain Based Identity and Access Management for E-Health Records (under Review)**
Desc The rapid rise of Internet technology has an impact on E-health, requiring safe and real-time data access. Traditional authentication causes problems and delays, spurring the development of decentralized identity management systems such as BIDAM, a blockchain-based solution for efficient e-health applications.
Team [1*] Naveen Kumar Pandit, [2] Swatisipra Das, [3] Chandan Kumar Panda

PAST PROJECTS

1. **Blockchain-Based Copyright Protection:**
   Developed a decentralized copyright protection system, enabling users to claim permanent ownership of their media files using Ethereum, Solidity, IPFS, RSA algorithm, and more.

2. **Full-Stack E-commerce WebApp:**
   Developed a responsive user interface using React.js, integrated the Braintree API for secure payments, and implemented a robust Node.js and MongoDB backend for efficient inventory management and order tracking in the e-commerce app.

3. **Team Messaging WebApp:**
   Implemented email verification for user registration, designed a dynamic EJS and Bootstrap-based UI, and enabled real-time chat with Socket.io and Express.js while utilizing MongoDB for scalable data management in the online community platform.

4. **Facebook Feed WebApp:**
   Facebook Feed app employs MongoDB, Express.js, React.js, Socket.io, and MUI for seamless user interactions, real-time commenting, and efficient post/comment management. The dynamic, responsive design ensures optimal performance, providing a compelling social media experience.

TECHNOLOGIES AND LANGUAGES

- **Programming Languages –** C, C++, Shell Programming, Java, Python, JavaScript
- **Blockchain Technology –** Public Blockchain, Solidity, IPFS, MetaMask, Hardhat, Hyperledger Fabric, Consensus
- **Web Development –** HTML5/CSS3, Bootstrap5, Node.js
- **Web Frameworks –** Express.js**,** React.js
- **Databases –** Oracle, MySQL, MongoDB, CouchDB
- **Familiar –** Git, RestAPIs, Jest, CI/CD, Mocha, Chai, OAuth2.0

CERTIFICATION AND EXPERIENCES

- **Full-Stack Open:**
  Certified by the **UNIVERSITY OF HELSINKI, FINLAND** on 25 May 2023 with skills in MongoDB, Express.js, Jest, Node.js, REST APIs, and React.js.

- **Certificate of Internship:**
  Certified by **Internship Studio** on 16 February 2023 with skills in HTML, CSS, Bootstrap, and JavaScript.

Teaching

My teaching specialities include Object-Oriented Programming, Data Structures, Algorithm Design and Analysis, and Cybersecurity.

Past Teaching:

- I worked as a programming tutor part-time at Aptech Computer Education in Jamshedpur, Jharkhand.

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