RAHUL BISWAS

biswasrahul016@gmail.com

EDUCATION

B.Tech   **July 2024**
Electronics and Telecommunication Engineering
Kalinga Institute of Industrial Technology (KIIT University), Bhubaneshwar

AISSCE (+2)   **June 2019**
Kendriya Vidyalaya
IIT Kharagpur

PROJECTS

Automation Suite for open source CI/CD Tools   **June 2021**
Developed and maintained test automation frameworks and CI/CD
pipelines using Selenium, Python, and open-source tools

Cost efficient scalable cloud architecture   **June 2022**
Developed a program to automate the design and deployment of cost-
efficient, scalable cloud architectures on AWS, utilizing services like EC2,
S3, and Lambda to optimize resource utilization

ML Based IDS in Controller Area Network   **May 2023**
Developed and implemented a Machine Learning-based Intrusion Detection
System for Controller Area Network (CAN) using Python, Arduino, and various ML
algorithms, analyzing and visualizing CAN bus data for enhanced security

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PULICATIONS

- R. Biswas, P. K. Samanta, B. Prasad de, A. Bakshi, W. Bhowmik and N. K. Panda, "IoT based Real Time Anomaly Detection in Automotive ECUs Using Machine Learning," doi: 10.1109/RAEEUCCI61380.2024.10547904.
- S. Das, A. Maity, R. Jana, R. Biswas, A. Biswas and P. K. Samanta, "Automated Improved Human Activity Recognition using Ensemble Modeling,"doi: 10.1109/RAEEUCCI61380.2024.10547875

KEY SKILLS

- Python
- MATLAB
- Git
- SQL
- AWS
- Linux
- Networking
- Wireshark
- Embedded Systems
- Metasploit
- Nmap
- VAPT

EXTRA CURRICULLAR

- Led a workshop on DevOps principles and practices.
- Facilitated a workshop on cybersecurity best practices.
- Conducted workshops on cloud security concepts.

CERTIFICATIONS

- Architecting with Google Compute Engine (Specialization)   **Coursera**
- Cybersecurity Compliance Framework & System Administration   **Coursera**
- Networking and Security Architecture with VMware NSX   **Coursera**

RECOGNITIONS

- Recognized and awarded by MetaMask for discovering and responsibly disclosing a vulnerability that could have exposed Personally Identifiable Information (PII)
- Recognized and awarded by Okta for identifying and reporting a critical buffer overflow vulnerability.