


Ujjal Roy

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Objective

Looking for a challenging career which will demand the best of my professional ability in terms of technical and analytical skills, and helps me in enhancing my current skill and knowledge

Education

- Central Institute of Technology, Kokrajhar** *Kokrajhar, Assam*
M.Tech in Computer Science & Engineering (Pursuing) *2022-2024*
Activities: Chief Convener of Cyber X Secure Club CIT Kokrajhar
B.Tech in Computer Science & Engineering *2019-2022*
Completed my Bachelor degree with 7.04 CGPA (First Class)
Activities: Coordinator of Cyber X Secure Club CIT Kokrajhar
Diploma in Computer Science & Engineering *2016-2019*
Completed my Diploma with 7.3 CGPA (First Class)
- BPCM Baby Land English Medium High School, Kokrajhar** *Kokrajhar, Assam*
High School Leaving Certificate (HSLC), (First Class) *2016*

Experience

- NIELIT Guwahati** *Guwahati, Assam*
Teaching Assistant *Nov 2022 – Present*
Working as Teaching Assistant at NIELIT Guwahati. My role is to organize different training, workshops, internships and coordinates the sponsored projects. Also took both theory and practical session for those programme at CIT Kokrajhar
- CIT Kokrajhar** *Kokrajhar, Assam*
Teaching Assistant *Jul 2023 – Dec 2023*
Served as Teaching Assistant under Mr Bikramjit Choudhury Sir, Assistant Professor Computer Science & Engineering Dept. CIT Kokrajhar. I am responsible For taking Lab Sessions of UCSE-501 Networking Subject for B.Tech 5th Semester Students of CSE Dept.

Teaching Assistant

Jan 2023- June 2023

Served as Teaching Assistant under Mr Prasanta Baruah Sir, Assistant Professor Computer Science & Engineering Dept. CIT Kokrajhar. I am responsible for taking Lab classes for the course DCSE272. Taught C Programming lab sessions for the 2nd Semester Diploma Students of (ECE, CE, FPT).

Course Instructor

Jan 2022 – June 2022

Served as Course Instructor in 6 Months Computer Training Programme: SubungthiSibinai. Providing training on Digital Literacy and Basic Computer Skill to the youth from adopted villages of Central Institute of Technology Kokrajhar under the Outreach Programme: SubungthiSibinai.

Skills

- **Programming Languages:** C, C++, Java, Python, Solidity.
- **Web Development:** HTML, CSS, JavaScript.
- **Database:** MySQL
- **Tools:** Git, LATEX

Training, Workshop & Certification

- **Responsive Web Design** - freeCodeCamp
- **Python (Basic)**- HackerRank
- **Java (Basic)** - HackerRank
- **CyberArk Certified Trustee** - CyberArk
- **Network Security Associate (Level 2)** – Fortinet
- **One day Workshop on Ethical Hacking & Cyber Security**, Inspiria Knowledge Campus, Siliguri
- **BlockChain** - Internshala
- **15 day's training on Core Java**, MSME Tool Room, Kolkata.
- **Data Science Machine Learning and AI using Python** – DiginiqueTechlabs
- **CompTIA A+** - Udemmy

Projects

- **AI and Blockchain Based Source code vulnerability Detection and Prevention system for Multi-party software development.**
(B.Tech final year project did in a group of three members under sir Dr. Pranav Kr. Singh, Assistant Prof. Department of CSE, CIT Kokrajhar)
- **An approach towards improvement of 3DES cryptographic algorithm for information security.**
(B.Tech Mini- project did in a group of three members under madam Mrs. Tania Sarkar, Assistant Prof. Department of CSE, CIT Kokrajhar)
- **Cryptographic Processes, Encryption and Decryption using DES algorithm**
(Diploma final project done in group of 2 students under Prof. Dr Hemanta Kumar Kalita Sir, Department of CSE, CIT Kokrajhar)

Publications

1. **AI and Blockchain-based source code vulnerability detection and prevention system for multiparty software development.**
Published on Computers and Electrical Engineering Elsevier Journal. [Link](#)

2. Blockchain and Smart Contracts for Decentralized and Secure Spectrum Management Towards 6G – Beyond Hype

Book Chapter in the book "Intelligent Spectrum Management: Towards 6G."

Status: Accepted

Area of Interest

- Blockchain
- IoT
- Machine Learning
- Cyber Security

Software & Platform

- Linux OS (Kali, Ubuntu)
- VMware Workstation Pro
- Visual Studio Code
- Microsoft Office
- Wireshark
- Ganache
- Nmap&Zenmap