ROHIT KUMAR
Software Developer and Engineer

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I LOVE to invest my whole day working and learning stuffs in IT domain. I am also good at Cyber Law and Information Security as it is my specialisation. I think the combined knowledge and experience of Network Security and Data Structure, Algorithms, Theory of Automata, Compiler Design will make me an efficient Software Engineer/Developer . I have depth knowledge in Computer Science. I have passion for Computer Science.

EDUCATION

M.Tech in Cyber Law & Information Security
Indian Institute of Information Technology Allahabad
07/2019 - Present   *7.84*

B.Tech in Computer Science & Engineering
Modern Institute of Technology & Management Bhubaneswar
08/2012 - 12/2016   *7.54*

Intermediate
Shakya Muni College Bodh-Gaya
06/2010 - 06/2012   *71.20*

Matriculation
DAV Public School Sherghati
06/2005 - 05/2010   *7.20*

PROJECTS

Final Year Thesis : Privacy-Preserving Authentication Protocol for Mobile Edge Computing.
(01/2021 - 05/2021)
- It brings a privacy-preserving mutual authentication protocol for Mobile Edge Computing environment. The protocol has different security features, namely resists impersonation attack, user anonymity, user intractability, perfect forward secrecy, session key agreement, resists man-in-the-middle attack, etc

Fiat-Shamir Zero-Knowledge Authentication Protocol.
(02/2020 - 03/2020)
- Implement entity authentication protocol beween two physical computers. One computer should act as the User (Claimant) and the other-one should act as Authentication Server (Verifier). The protocol must have three modules, 1) Registration Module 2) Authentication Module and 3) Renewal Module.
- Measure the average End-to-End Authentication Delay for this authentication module. End-to-End Authentication Delay is defined as the duration of time starting from the instant when the user initiates the authentication process to the instant when the user gets the authentication Success/Failure message from the verifier.

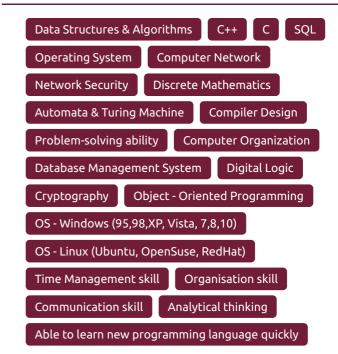Access control system for fine-grained privacy protection.

WORK EXPERIENCE

Teaching Assistant
IIIT Allahabad
07/2019 - Present
Worked as Teaching Assistant for subjects like Database Management System, Operating System, Computer Graphics at IIIT Allahabad.

SKILLS

Data Structures & Algorithms | C++ | C | SQL

Operating System | Computer Network

Network Security | Discrete Mathematics

Automata & Turing Machine | Compiler Design

Problem-solving ability | Computer Organization

Database Management System | Digital Logic

Cryptography | Object - Oriented Programming

OS - Windows (95,98,XP, Vista, 7,8,10)

OS - Linux (Ubuntu, OpenSuse, RedHat)

Time Management skill | Organisation skill

Communication skill | Analytical thinking

Able to learn new programming language quickly

ACHIEVEMENTS

Qualified national-level exams namely GATE, ISRO for Computer Scientist/Engineer, NIELIT, etc.

LANGUAGES

HINDI
Full Professional Proficiency

ENGLISH
Professional Working Proficiency

COURSES

Operating System | Computer Network

Data Structures and Algorithms

Computer Organization | Digital Logic

Database Management System | Cryptography

Database Security | Network Security

Mathematics for IT | Theory of Computation

Compiler Design | Intrusion Detection System

Internet Protocols | Research Methodology

Cyber Law & Security Standards