SUJOY ROY

NIIT UNIVERSITY

CONTACT

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EDUCATION

Masters Of Technology In Computer Science,
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY(IIIT), Guwahati

SUMMARY

- Full-Stack Web Developer,
- Cross-Platform Application Developer,
- Security Enthusiast,
- Researcher,
- Software Developer,
- Data Science,
- Digital Marketing,
- Graphic Designing

SKILLS

- Web Development - HTML5, CSS3, JAVASCRIPT, AngularJS, Wordpress.
- Cyber Security - Penetration Testing, Cryptography
- Coding Lang. - Python, Java
- Designing - Photoshop, Illustrator, Google Web Designer

MAJOR PROJECTS AND RESEARCH WORK

- **Research Paper on Variable Delay Broadcasting Scheme (Published in RCEEE in August 2017, Indonesia) –** This paper shows the algorithm Variable delay Broadcasting Protocol,
- **Doctor-Patient Appointment App.(DBMS)** - An application where a patient can book his/her appointment with the doctor.
- **Online Crime Investigation System(Software Engineering)** - An application where a citizen can file his/her FIR without going to Police Station and police can further investigate on the case and update the status.
- **Movie Or Coffee (Information Retrieval)** - It is a location based application which suggest's a person for watching a movie or for having a coffee according to their mood.
- **Self-Controlling Vehicle using PID(Proportional Integral Derivative) controller and estimation of traffic congestion (Jan 2017 - April 2017)** - In this we have designed an algorithm for prediction of an alternate route in case of Traffic Jams or any sort of congestion.
- **Breaking Of DES Algorithm (Jan 2017 - April 2017)** - In this we broke the DES algorithm using Brute-Force Attack, we divided the key for 16 systems and did it for 4 rounds, 8 and 16 rounds.
- **PID Controller Based Temperature Controller (June 2017 - August 2017) -** It is a MATLAB GUI application to control and monitor heat of a device. This application uses the arduino object to get the temperature values of the device sensed by LM35 sensor.
- **Blog tools for coding -** A coding environment specific blog tool for developing and sharing code, case studies etc. Each blog post represents a code like environment and combines code with descriptions of code.

SECURITY TOOLS

- Wireshark - Capturing and Filtering Packets
- Nmap - Monitoring Network
- Netcat - Port Scanning, Serving Web Pages, Cloning Drives

WORKSHOPS

- Web-Development Organised By CSI for PHP Training
- Microsoft Azure and IOT by Microsoft (Feb. 2016) - For Azure and Wordpress

INTERNSHIP

- Visualization Of Back Office Data In Genpact (Jan 2018 - March 2018) - For analysing the loop holes in back office process for improving customer experience.
- Security Monkey In Nuage (April 2018 - June 2018)