

SURAJ MANDAL

AMARARGARH, BURDWAN, PIN-713144

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EDUCATION

UNIVERSITY INSTITUTE OF TECHNOLOGY, BURDWAN UNIVERSITY, WEST BENGAL, India *Overall Percentage: 70*
B.E in Computer Science and Engineering *2014-2018*

MANKAR HIGH SCHOOL(WBCHSE)
Higher Secondary. *Overall Percentage: 63.4*

AMARARGARH HIGH SCHOOL(WBBSE)
Secondary . *Overall Percentage: 81.75*

PROJECTS

MathSec:towards a novel Mathematical CAPTCHA for establishing secured access
The project aims at making a secure captcha with MATLAB.

Indoor Air Quality Management using Raspberry pi
Internship Project,worked as part of the project "Post-Disaster Situation Analysis and Resource Management using Delay Tolerant Peer-to-Peer Wireless network(DISARM) " founded by Media Lab Asia/ITRA,MCIT,Govt of India.

Vocational Training from C and IT Department in Steel Authority of India Limited,Durgapur Steel Plant.

TECHNICAL STRENGTHS

Strongest Areas	FPGA , Digital Electronics , Data Structures, Algorithms , RaspberryPi
Languages & Tools	Verilog , C, Latex
Software & Tools	MATLAB, Xilinx ISE, MS Office, Latex

WORK EXPERIENCE

NIT DURGAPUR *July 2018-present*
Junior Research Fellow

- Project-WBDST Project (Design of Lightweight and Cost Effective PUF-enabled Secure Architecture for Authentication and FPGA Application.

PUBLICATIONS

Mahabub Hasan Mahalat, Suraj Mandal, Anindan Mondal and Bibhash Sen, "An Efficient Implementation of Arbiter PUF on FPGA for IoT Application", 2019 32nd IEEE International System-on-Chip Conference (SOCC) (SOCC 2019), Singapore.
DOI: 10.1109/SOCC46988.2019.1570548268

Anindan Mondal and Mahabub Hasan Mahalat and Suraj Mandal and Suchismita Roy and Bibhash Sen, "A Novel Test Vector Generation Method for Hardware Trojan Detection", 2019 32nd IEEE International System-on-Chip Conference (SOCC) (SOCC 2019), Singapore.
DOI: 10.1109/SOCC46988.2019.1570548271

WORKSHOP

One Day authors' Workshop'2018,NIT Durgapur.

One week workshop on "Cryptology" 2018 ,NIT Durgapur.

VLSI Chip Design Hands-on using open source EDA ,NIT Durgapur.

Education on Children with special needs "ECN 2019" ,NIT Durgapur.

HOBBIES

Open source softwares,Reading Story Books

LANGUAGES KNOWN

English,Hindi,Bengali

LINKS

<https://github.com/srm1071/>

<https://www.linkedin.com/in/suraj-mandal-377021128/?ppe=1>