

SOHAM DAS

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EDUCATION

Maulana Abul Kalam Azad University of Technology, formerly known as West Bengal University of Technology — Master of Science Information Technology in Cyber Security, *(Expected June 2023)*

GPA: 8.48/10.0(1styear)

Research Interests:*Malware Detection Analysis, Quantum information security, Cyber physical systems security, Bio-information Security, Computer/Digital Forensics, Cryptology, Machine Learning, Computer Vision, Algorithms.*

Coursework:-*Discrete Mathematics of Computer Science, Advanced Data Structures Algorithms, Cryptology, Advanced Web Technology, Research Methodology and IPR, Machine Learning, Ethical Hacking, Network Security, Digital Forensics, Malware Detection Analysis, Cyber Law and Cyber Crime Investigation, Project Management Entrepreneurship.*

Maulana Abul Kalam Azad University of Technology, formerly known as West Bengal University of Technology from George Group of College—Bachelor of Computer Application(Honours), *(Aug2018-Aug2021)*

DGPA: 7.86/10.0

Coursework:-

Digital Electronics, Environment Studies, C Programming, Basic Mathematical Computation(Algebra, Linear Algebra, Two Dimensional Geometry, Differential integral Calculus), Computer Architecture, Software Engineering, Data Structure with C, Advanced Mathematical Computation(Statistical Methods and Algorithms, Differential Equations, Sequence and Series), English Language and Communication, Operating System, Object Oriented Programming With C++, Computer Graphics, Mathematics for Computing(Graph Theory, Probability Theory, Frequency Distribution), Database Management System, Programming With JAVA, Computer Networking, Numerical Analysis/Numerical and scientific computing ,Cyber Security, Unix and Shell Programming, Management and Accounting, Python Programming, Web Technology with PHP, Values and Ethics of Profession.

PROFESSIONAL CERTIFICATES

1) *edX Verified Certificate for Product Design, Prototyping, and Testing* May 2022

2) *Amazon SageMaker:Simplifying Machine Learning Application Development* Aug 2021

3) *edX Verified Certificate for Migrating to the AWS Cloud* Sep 2021

SUMMER INTERNSHIP

Techtree Technologies

Aug 2020 - Oct 2020

Android App Development Div, Kolkata, West Bengal, India

Android App Development in Java. Grocery Shop Android Application coding in Java and Firbased.

GlobNet Systems——— (Jul2020-Aug2020)

Digital Marketing Div, Kolkata, West Bengal, India

I am working in Competitor Analysis,Email,Social Media

Marketing,Contents Writing,Video making,Affiliate Marketing,Advertisement Designing etc.

SKILLS

Scientific Programming Languages:C/C++,Python,Julia,Matlab/Octave,Java.

Web Programming Languages:SQL,HTML,CSS,PHP,JavaScript,React

Scripting Programming Languages:Shell Scripting(Linux),PowerShell(Windows)

Text Programming Languages:latex

ML Toolkit:PyTorch,kaldi,Keras, TensorFlow,OpenCv etc.

Cyber Security Toolkits:Metasploit,Burp Suite,Nmap,OWASP Zed Attack Proxy,Wireshark,Aircrack-ng,
,John the Ripper,Nikto,Snort,Sql Injection

Digital Forensics Toolkits:-Autopsy,Encrypted Disk Detector,Sleuth Kit, Volatility,SIFT, MVT,
NFI Defraser, Dumpzilla.

Hardware Tools:Raspberry PI, Arduino

Softwares:Visual Studio, Anaconda, Android Studio,PyCharm,Sublime Text,Atom.

Platforms:Linux, Mac and Windows.

PROJECTS

Research Projects:Smart City Intrusion Detection System Using Machine Learning

Jun2022-Present

Research Guide- Prof.Dr Sibamay Dasgupta(Director School of Engineering Science-MAKAUT,WB

LEADERSHIP SKILLS / PROFESSIONAL ORGANIZATION MEMBERS

8)IEEE Computer Society——-Science and Technology Mar 2023 - Present

Student Member

7)IEEE——-Science and Technology Feb 2023 - Present

Student Member

6)Google Developers Group——-Science and Technology Dec 2022 - Present

Google Developer Group Chapter Kolkata Volunteer/Members

5)BSides Bangalore——-Science and Technology Feb 2023 - Present

Community Member

4)OWASP® Foundation——-Science and Technology Aug 2022 - Present

Community Member

3)Docker, Inc——-Science and Technology Jan 2023 - Present

Community Member

2)null - The Open Security Community—Cyber security community Jul 2022-Present

Community Member

1)Paschim Banga Vigyan Mancha-Science and Technology•Social Services Sep 2018-Present

Committee Member