

ADITI BARDHAN

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SUMMARY

MSc Cybersecurity (3rd Semester) student at NFSU (NIELIT, Kolkata) with a B.E. in Electronics and Telecommunication looking for software development roles.

WORK EXPERIENCE

Instructor at Kendriya Vidyalaya (Salt Lake)

2024

Lead a training program on Artificial Intelligence and Machine Learning using Python

Intern at Bhargawa Info Tech Solutions Pvt Ltd,Bangalore

Sep 2023 - Nov 2023

Project: Air Canvas-A Virtual Pen

Used computer vision techniques to develop an interactive canvas that detects hand gestures and converts them into commands for drawing and erasing.

PROJECTS

Web Application Firewall

2025

95.8% detection accuracy achieved by developing a hybrid Web Application Firewall combining regex-based filtering and machine-learning (Multinomial Naive Bayes) for XSS URL detection.

Machine Learning based Spectrum Utilization in Cognitive Radio Networks

2024

Utilized MATLAB and Excel to process 5G spectrum data, design executable database schemas, and apply a Random Forest algorithm to detect occupied and unoccupied channels for optimized spectrum utilization

SKILLS

Technical Skills C , MySQL, HTML, CSS, Javascript, ReactJS Python, PHP, Wireshark, Cisco packet tracer , Linux terminal , Orcad / PSpice, Matlab/Simulik , ANSYS Workbench , Qual-NET , Optiwave OptiSystem,

Soft Skills Adaptability , Teamwork , Multitasking, Leadership

EDUCATION

2024 - present	MSc (Cybersecurity) at National Forensic Sciences University	(GPA: 7.75/10)
2020 - 2024	B.E in Electronics and Telecomm. at R.V.C.E,Bangalore	(GPA: 7.44/10)
2018	Class 12th CBSE	(84.6%)
2016	Class 10th CBSE	(93%)

ACHIEVEMENTS

International Space Settlement Design Competition,NASA

2017

Member of Runners-up team