

ARYA AGARWAL

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PROFESSIONAL SUMMARY

Ready to use my skills and passion towards a goal. Keen in learning new technologies and work upon my strengths and weaknesses. My commitment to self-improvement drives me to excel in both individual and team-oriented projects.

SKILLS

- DSA
- Advanced Java
- Smart Contracts(solidity)
- SQL/PL-SQL and databases
- Frontend Development
 - HTML
 - CSS
 - JavaScript
 - React
- MongoDB

EDUCATION

Masters of Computer Applications: (8.84 CGPA) Vellore Institute of Technology - Vellore Campus, Tamil Naidu	2024-till present
Bachelor of Computer Applications: (8.85 CGPA) Amity University - Lucknow Campus, Uttar Pradesh	2021-2024
Intermediate: (97.5%) City Montessori School - Lucknow	2021
High School: (89.5%) St. Francis' College – Lucknow	2019

PROJECTS

Shopping Mall Management System	11/2024
A full stack web application developed during a codeathon. Implemented responsiveness and key technologies used were HTML, CSS, JS and JSP (Java Server Pages). Build a robust backend using Java and JDBC for information access. DAO pattern also used for abstraction and modularity.	
Network Traffic Analysis using Deep Learning	08/2024- current
using deep learning is an advanced method for monitoring, analyzing, and managing the flow of data within a network. It leverages deep learning models to detect patterns, anomalies, and potential security threats, often in real time.	
Personal Portfolio website	10/2024-11/2024
A web application where I showcased my skills, achievements, highlighting some experiences. Demonstrated proficiency in web development, frontend and user experience.	
Job Tracking and Progress Monitoring	01/2024-05/2024
where the applicant and employee both can track the applications simultaneously with a good security system. A particular application is applied on which date and accepted when can also be seen very clearly.	
Two Factor user verification	02/2023-05/2023
A simple java console-based application where various java libraries were used- Google Authenticator, Apache Shiro, Spring security, TOTP and JOTP. It authorizes the user with more accurate in security.	
Legal Aspects of Cybercrime	2022
A term paper where I covered all the cyber laws regarding the cybercrimes and cyber-attacks. Studying about the laws was fun as it stated how much our country advancing in this field and taking security measures.	

RESEARCH EXPERIENCE

AMBALIKA INSTITUTE of MANAGEMENT and TECHNOLOGY (AIMT)

5-6 April,2023

I presented my research paper on the topic-"Cyber-security vulnerabilities with small-scale banking partners" at the 6th International Conference of the AIMT institute named as **COII**. Abstract published in the AIMT Souvenir COII/CSE_IT/230752.

INDEPENDENT RESEARCH

2024

I did independent research, and analysis and wrote a research paper on "Emerging AI growth: Unveiling security concerns at our doorstep". The rise of AI is also bringing with them dangers in security and this is what I have covered in this paper.

International workshop on artificial intelligence: Empowering sustainable development (AISD) 2023

I wrote a research paper on "Privacy, security and social implications on acquired sustainability" and the workshop was conducted by Symbiosis Institute of Technology, Pune. The paper submission date was 15th July,2023 and the conference is on 4-5 September 2023.

CERTIFICATIONS

- Google Cybersecurity Professional: Foundations of Cybersecurity, Play it safe: Manage Security Risks
- Ethical Hacking Essentials (EHE)
- 'A' certificate in NCC (5 U.P. AIR SQN NCC) 05/2017
- CISCO NETACAD certified in ITN introduction to networks.
- ORACLE certified in database management systems.
- TCS MasterCraft certified in DBMS.
- Presenting research paper at AIMT
- ISEA certified in: Safe Digital Gaming, Cyber Hygiene Practitioner
- Volunteer at: knock sense, IITBHU, IITROORKEE

ACHIEVEMENTS

- Gold Medal for Academic Excellence at Amity University.
- Vice President Unnati Social Service Club at Amity University.
- Gold medal for Academic Excellence at CMS
- First in oral presentation of research paper at AIMT.