

MEGHA SHRUTI

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EDUCATION

Vellore Institute of Technology, Bhopal

2022 – 2026

Bachelor of Technology

Major in Computer Science and Engineering

Specialization in Cyber Security and Digital Forensics | CGPA – 8.52

TECHNICAL SKILLS

Python (Pandas, Scikit-learn), C/C++, Java, MySQL, Wireshark, Burp Suite, Web-Development Front-end: (HTML, CSS, JS), Data Structures and Algorithms (DSA), React

Certifications: Foundation of Cyber Security by Google(Coursera) , Cyber Physical System Certification (NPTEL, IIT Kharagpur), Cyber Security Analyst (CECSAIIIN, provided by IBMCE)

WORK EXPERIENCE

IIIT GUWAHATI BLOCKCHAIN RESEARCH INTERNSHIP

June 2024 – Aug 2024

Role: Research Intern

- Acquired in-depth knowledge of blockchain technology and its applications.
- Studied 20+ research papers on blockchain technology applications.
- Created 5+ smart contracts using Ethereum, Solidity, and Truffle
- Researched and reported on the adoption of blockchain in 3 key industries, identifying 2 potential areas for innovation.

Techsaksham-Edunet Foundation

Feb 2025-March 2025

Role: Project Intern

- Engineered an AI-powered Resume Screening & Candidate Ranking System using Python and Streamlit, reducing manual screening time by 50%
- Implemented NLP techniques and machine learning algorithms to achieve a 95% text extraction accuracy and enhance candidate job matching by 40%.
- Launched an Streamlit-based UI designed for seamless resume ranking , deploying the application locally and exploring the cloud deployment option..

KEY PROJECTS

Blockchain-based E-voting system

- Designed a secure, and user-friendly blockchain-based e-voting system, enhancing voter trust by 30% and achieving 80% satisfaction
- Developed 5+ smart contracts using Ethereum and Solidity, and coded over 2,000 lines to build a responsive web application.
- Learned the working of blockchain and more tools related to it

AI-powered Resume Screening and Ranking System

- Created an AI-driven Resume screening system, reducing manual screening time by 40%
- Implemented NLP-based text extraction and TF-IDF vectorization, enhancing similarity analysis accuracy by 35% and achieving a 95% text extraction accuracy via PyPDF2 integration.
- Designed and launched a Streamlit-based UI, applying machine learning to enhance candidate-job matching by 30%

Digital Portfolio

- Designed my own digital portfolio using HTML, CSS and Js for front-end and MySQL, PHP in backend to locally host it in my system
- Developed an impactful interface by adding proper css and coding more than 2000 lines to build a proper web-infrastructure and organize all my personal information which will acknowledge my online presence
- Learned web development and enhanced coding speed and understanding

Co-curriculars

4th International World Energy Conference (Conducted by IKSAD institute and Erciyes University ,Turkey)

6 Dec 2024-8 Dec 2024

Role: One of the fellow delegates among 200 international others

- Presented my topic “Energy Management in Building Management System by Incorporating AI Driven Smart Grids”
- Got my research paper published in the full text book of the conference along with 200 other international delegates.

Extracurriculars

Insights Club

July 2023 – July 2024

Role: Core member in the Editorial Department

- Edited 10+ articles for the monthly university magazine and volunteered in 5-10 events