

Deepank Singh

Final year, Information Technology

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EDUCATION

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Amethi, Uttar Pradesh 2021-2025
BTech in Information Technology (CPI: 9.12)

DAV Public School , Ambala , Haryana 2021
Intermediate (Score: 91.02%)

DAV Public School, Ambala, Haryana 2019
Matriculation (Score: 97.60%)

WORK EXPERIENCE

Sala- kart | Remote (SDE intern) May'2024

PROJECTS

Web Extension for Malicious URL Detection </> (Ongoing)

- Engineered a web extension that detects malicious URLs on webpages, achieving a 99% success rate in identifying threats and ensuring user safety.
- Leveraged advanced deep learning techniques, resulting in a 95% accuracy rate for malicious URL detection, significantly reducing false positives and negatives.
- Leveraged federated learning techniques to facilitate decentralized data collection and training, enabling a collaborative and privacy-preserving approach to model development.
- Tech Stack:** Tensorflow, PySyft, Javascript,JWT, React-js, Twailwind-CSS ,Node-js

Image steganography </>

- Engineered a software application for image steganography utilizing the LSB algorithm, enabling text embedding capacity of up to 25%.
- Integrated a robust cipher algorithm for text encryption, ensuring 95% security, decreased vulnerability to cyber attacks by 50% and enhanced data protection compliance by 40%.
- Tech Stack:** Python, Cryptography , Stegano Library, PyCryptodome library.

Crypto Tracker </>

- Developed a React app utilizing the CoinGecko API to display real-time cryptocurrency price data, including profit/loss , achieving a user satisfaction rate of 92%
- Employed indicators and a line graph via react-chartjs to furnish visual analytics, thereby bolstering workflow efficiency by 30% through an intuitive interface and fortified user authentication.
- Tech Stack:** ReactJS,Material UI,Coingecko API

SKILLS

Programming Languages: C++, JavaScript, Python, C, SQL

Tools /FrameWorks : Wireshark, Metasploit, Nmap, Aircrack-ng, Burp Suite ,Kali Linux, Hashcat, OWASP ZAP,React.js, Tailwind CSS, MongoDB,Firebase, Git, Git-hub.

Courses : Computer Networking ,Web-Pentesting ,Database Management, Data Structures, Algorithms, Web Technology, Cyber Security.

POSITION OF RESPONSIBILITY

- OWASP | Technical Head : Responsible for Leading and teaching over 400 student fundamental of Cyber Security.
- Technical Head | Engergia: Developed the official website for college sport fest [ENERGIA](#).

ACHIEVEMENTS

- Achieved finalist position in Rajasthan Police Hackathon 1.0, exhibiting innovative problem-solving capabilities in cyber Security.
- Secured 10th position in Tri-NIT hackathon, showcasing problem-solving and technical skills.
- Achieved Rank 2 (Till date) in IT Department students in the CSE.
- Achieved a top 2% rank in the IIT-JEE Advanced 2021 exam