Animesh Singh

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Education

Vellore Institute of Technology   **Sep. 2020 – May 2024**
Bachelors of Technology in Computer Science with Information Security   *Vellore, Tamil Nadu*

Sunbeam School Lahartara   **April 2016 – March 2020**
Senior Secondary   *Varanasi, Uttar Pradesh*

Experience

OROM Corp   **March 2023 – June 2023**
Frontend Developer Intern   *Remote*

- Enhanced an e-commerce website through various stages, including UI/UX improvements, responsive design, and successful project deployment.
- Implemented responsive designs using HTML, CSS, and JavaScript, and actively participated in the development of dynamic web applications using React.
- Enhanced user engagement with CSS animations and ensured cross-browser compatibility.
- Worked cooperatively with client services, sales and design teamin deadline-driven environment.

Projects

Hybrid Audio Security | *Python, Jupyter*   **June 2022**
- ∗ Developed a Python script for audio processing, implementing both AES and RSA encryption techniques.
- ∗ Incorporated data visualization using Matplotlib to display the waveform plot of the audio.

Object Detector | *HTML/CSS, JavaScript, OpenCV*   **November 2022**
- ∗ Developed a web application using TensorFlow, a leading deep learning library, to perform real-time object detection.
- ∗ Optimized the model for efficiency and accuracy to ensure robust and reliable object identification in diverse scenarios.

HIPAA-Compliant Healthcare Data Privacy Enhancement | *Python, Jupyter*   **February 2023**
- ∗ Implemented a solution to ensure compliance with the HIPAA for safeguarding patient privacy in healthcare systems.
- ∗ Developed a custom tokenization algorithm using SHA-256 ensuring a secure and unique representation for each patient.

MyBlockchain | *Python, VS Code*   **December 2022**
- ∗ Implemented a basic blockchain structure in Python, demonstrating the foundational concepts of a blockchain.
- ∗ Linked each block to its predecessor through the previous hash, ensuring a secure and chronological chain.

Publications

SECURING DATA FROM IOT DEVICES - IRJMETS 2023

Achievements

Three-time National Sparkie Champ in weekly Mindspark contests.
Secured second prize in CBSE's Master Adroit Championship.

Skills

Programming Languages: Python, C/C++, Java, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Jupyter, Github
Technologies/Frameworks: Cybersecurity, Frontend Development, Machine Learning, Blockchain, Tenserflow
Soft Skills: Problem Solving, Teamwork, Critical Thinking, Adaptability, Communication

Extracurricular

IEEE-IAS VIT   **January 2021 – Present**
Core Committee Member
Organized seminars and tech talks featuring industry experts to foster knowledge exchange and skill development.
Provided mentorship in management and technical domains, guiding junior colleagues.

AIESEC IN VIT   **August 2021 – January 2022**
Member, Buisness Development
Applied honed problem-solving skills to analyze and resolve issues impacting business operations and goal achievement.
Executed advertising and publicity strategy for AIESEC's national meet, highlighting its features and benefits.