

# Yash Verma

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 [LindedIN](#) |  [Github](#) |

## STATEMENT OF PURPOSE

Pre-final year Computer Science student passionate about MERN development, cybersecurity, and computer vision. Skilled in full-stack development, ethical hacking, and OpenCV. Seeking an internship to apply my skills, learn, and contribute to innovative projects in a dynamic environment.

## EDUCATION

- **Bachelor of Technology**

*Computer Science Engineering*

Nov, 2022 - present

Indian Institute of Information Technology Senapati, Manipur

**CGPA : 7.56 (Till 5th Semester)**

Semester wise performance:

Semester	1st	2nd	3rd	4th	5th
SGPA	7.44	7.92	7.17	7.08	8.27

- **HSC, Lucknow Public College, Lucknow**

*Council for the Indian School Certificate Examinations, New Delhi*

2019-2021

- Grade: 89.0%

- **SSC, Lucknow Public College, Lucknow**

*Council for the Indian School Certificate Examinations, New Delhi*

2019

- Grade: 80.6%

## SKILLS

- **Programming Languages:** C, C++, Java, Javascript, Python
- **Web Technologies:** React, NodeJs, ExpressJs
- **Design Skills:** UI/UX Design (Figma, Adobe XD)
- **Database Systems:** MongoDB, MySQL
- **Operating systems & Version control:** Linux(Ubuntu), Windows, Git, GitHub.
- **Relevant Courses:** DSA, OOPs, DBMS, OS, COA, CN, TOC, IR, CD.

## EXPERIENCE

- **Ethical Hacking and Penetration Testing Intern at CDAC**

*(Remote) - May, 2024 - June, 2024*

Centre for Development of Advanced Computing, Noida

- Implemented Tools and Websites for Detecting Fake News, Fake Emails, Fake WhatsApp Messages, and Fake Social Media Posts
- Presented findings at Digital Media Verification and Misinformation Detection.
- Gained practical experience in applying cybersecurity tools learning to detect misinformation.

- **Open source contributor at GirlScript Summer of Code**

*(Remote) - May, 2024 - Aug 2024*

*Contributor*

- Actively contributed in various open-source projects of web development.
- Secured 110th rank among 25k participants.

## PROJECTS

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- **News Website with Fake News Detection:**

Tools: [ Python, Flask, Scikit-learn, React.js, JavaScript ]

- Built a news website with integrated fake news detection using machine learning and natural language processing (NLP).
- Implemented classification models including Logistic Regression, Decision Tree, and Random Forest to detect fake news.
- Developed a Flask-based backend to enable real-time user input and prediction functionality.
- Algorithm: [Logistic Regression, Decision Tree, Random Forest]

- **Algorithm Visualizer:**

Tools: [ React.js, JavaScript, HTML, CSS ]

- Developed a web-based visualizer for CPU scheduling algorithms (FCFS, SJF, Priority, Round Robin) with animated Gantt charts and real-time metrics.
- Implemented sorting algorithm visualizations (Bubble Sort, Selection Sort, Insertion Sort) to support algorithm education.
- Designed modular, reusable components for scalability and maintainability.

- **Spam Mail Prediction using Machine Learning:**

Tools: [ Python, Scikit-Learn, NLP ]

- Built a machine learning model using Python and Scikit-learn to classify emails as spam or ham.
- Applied natural language processing (NLP) techniques for feature extraction and enhanced model accuracy.

- **Object Detection Using Computer Vision:**

Tools: [ OpenCV, TensorFlow, Deep Learning ]

- Developed a real-time object detection system using OpenCV and TensorFlow to identify and classify objects in images and video streams.
- Integrated pre-trained deep learning models such as YOLO and SSD to improve detection speed and accuracy.

## PROBLEM SOLVING

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- Solved 150+ DSA problems on Leetcode. [\[Leetcode\]](#)
- Solved 200+ DSA problems on GeeksforGeeks. [\[GeeksforGeeks\]](#)

## VOLUNTEER EXPERIENCE

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- **Event Organizer - AHOUBA'24**

Mar, 2024

IIIT Manipur - TechFest 2024

- Responsibilities include managing logistics, handling participant registrations, collaborating with sponsors, and ensuring smooth event operations.

## CERTIFICATIONS

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- **Udemy:** [Full Stack Web Development](#)
- **NPTEL:** [Python](#)
- **MongoDB:** [MongoDB](#)
- **Codingninjas:** [DSA](#)
- **Codingninjas:** [OOPs](#)

## ADDITIONAL INFORMATION

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**Languages:** English (Professional), Hindi (Native)

**Interests:** Reading Researches, Tech-Related News .