
Vaibhav Tomar

8894677224 · Dehradun, Uttarakhand, 248007 · vaibhavtomar3003@gmail.com · LinkedIn · Portfolio

Innovative | Resilient | Versatile

I am a motivated and passionate pre-final year B.Tech student, specializing in cybersecurity and forensics at UPES, with a strong interest in Web Development and Cybersecurity industry. Despite being a student, I have gained valuable experience in frontend development and cybersecurity field, and I have a solid understanding of HTML, CSS, JavaScript and Security Practices with practical knowledge of frameworks such as ReactJS, VueJS and tools such as Wireshark, BurpSuite, Splunk etc..

EDUCATION

University of Petroleum and Energy Studies – Dehradun, Uttarakhand, India

B.Tech CSE – Specializing in Cybersecurity and Forensics

[Currently in Pre-Final Year]

Current CGPA: 8.5

EXPERIENCE

- Developed a real-time weather web application using the Vue.js framework to provide up-to-date weather information to users. Designed and implemented a responsive user interface optimized for desktop and mobile devices. Utilized APIs and best practices for performance optimization and code quality.
- Built a user-friendly To-Do List web application with Flask framework, incorporating task creation, deletion, and editing. Implemented backend functionality with Python and employed modern web development techniques such as AJAX for a seamless user experience.
- Created a personal portfolio website using HTML, CSS, and JavaScript to showcase education, work experience, projects, skills, and contact form. Utilized responsive design and cross-browser compatibility for an optimal viewing experience on any device.
- Created the DVAPI (Damn Vulnerable API) web application, allowing users to practice securing their APIs. Developed with ReactJS and Flask for API, utilizing industry-standard security practices and tools, such as OWASP API Vulnerabilities 2019

SKILLS

- Experienced in frontend development and building interactive and user-friendly prototypes and working with RESTful web services, JSON, Proficient in HTML, CSS, and JavaScript, AWS, Docker, Python and Java.
- Familiarity with frontend frameworks such as ReactJS and VueJS.
- Familiarity with vulnerability scanning tools such as Nessus and Qualys
- Experience with Postgres, MySQL, Nginx, Apache, and other similar databases and servers
- Understanding of API and web application security concepts
- Excellent communication and teamwork skills
- Analytical thinking and problem-solving abilities

PROJECTS

- A weather web application built using the Vue.js. The application provides real-time weather information to users.
- A To-Do List web application built using the Flask framework was created to help users manage their tasks and schedules efficiently.
- A personal portfolio website created using HTML, CSS, and JavaScript was developed to showcase my skills and accomplishments.
- Implemented Huffman encoding algorithm using Python for efficient data compression and decompression.
- Developed DVAPI (Damn Vulnerable API) web application with ReactJS and Flask, employing industry-standard security practices and tools.
- Developed web3 crowdfunding platform enables decentralized fundraising for projects using cryptocurrency, smart contracts, and blockchain technology, ensuring transparent and secure transactions.

VOLUNTEER EXPERIENCE

Harit Griha- *Meerut City, Uttar Pradesh, India*

[June 2022]

Non – Profit Government Organization

- Assisting with research and data analysis of SDG goals and their implementations
- Supporting the team by preparing presentations, organizing documents and Brainstorming ideas
- Learning and development of various ways to implement SDG goals
- Participating in projects

ACTIVITIES

IBM ICE - *Dehradun, Uttarakhand, India*

[Feb 2022]

- Group Leader for the IBM ICE competition.
- Research Paper presentation of WEB 3.0.
- 2nd Runner Up in the competition

Cyber Sentinel CTF Challenge - *Dehradun, Uttarakhand, India*

[Feb 2023]

- Solo Member.
- 2nd in the CTF challenge

SYNOPSYS CTF - *Dehradun, Uttarakhand, India*

- Solo Participant

[March 2023]

- Top 5 in the CTF challenge