Priyanshi Panchal

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Education

VIT Bhopal University
Bachelor of Technology in Computer Science and Engineering   **CGPA:** 8.19 | August 2021 - Present
Relevant Courses: Security Analyst, Cyber Physical Systems, Cybercrime and Laws, Advanced Cyber Security, Computer Network

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Technical Skills

- **Programming Languages:** C++, JavaScript

- **Web Development:** HTML, CSS, ReactJS

- **Data Structures & Algorithms (DSA):** Strong problem-solving and analytical skills

- **Cybersecurity:** Vulnerability Assessment, Penetration Testing (VAPT), Security Awareness

- **Tools & Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js)

Certifications

- **AWS Certified Cloud Practitioner** - AWS

- **BITS and BYTES of Computer Network** - NPTEL

- **Blockchain and Its Applications** - NPTEL

- **Data Structure and Algorithms** - Code Help by Love Babbar

- **Full Stack Web Developer** - Coding Ninjas

Project Experience

Steganography Tool | *June 2022 - August 2023*

- Expertly embedded confidential data within digital media (images, audio, videos) using advanced steganography techniques.

- Utilized encryption methods to secure embedded data, ensuring information remained undetectable and protected from unauthorized access.

- Worked with various file formats (JPEG, PNG, WAV, MP3, AVI) to ensure compatibility and performance, maintaining high levels of confidentiality.

Behavioral Analytics System | *July 2023 - November 2023*

- Developed a sophisticated user sentiment analysis system integrating facial recognition, crowd counting, and distance measurement technologies.

- Designed and implemented a responsive web interface using HTML, CSS, and JavaScript, leading to a 40% increase in user engagement and a 25% rise in session duration.

- Delivered intuitive interfaces that effectively communicated behavioral insights, supporting strategic decision-making.

Work Experience

Ethnus | MERN Full Stack (Industrial Certification)
Aug 2023 - Nov 2024

- Built and deployed a robust **Customer Relationship Management (CRM)** system using the **MERN stack**, enhancing customer interaction and data management.

- Implemented end-to-end functionalities including user authentication, data management, and real-time updates, ensuring a seamless user experience.

- Optimized front-end and back-end performance using React.js and Node.js, and secured data management in MongoDB.

Navodita Infotech | Cybersecurity Intern
Feb 2024 - Apr 2024

- Created a comprehensive **Vulnerability Assessment and Penetration Testing (VAPT)** report, boosting vulnerability detection accuracy by 85%.

- Designed a tailored **security awareness program**, improving employee cybersecurity knowledge by 90%.

- Gained deep cybersecurity expertise, enhancing practical skills by 95% through hands-on projects and real-world applications.

Cognifyz | Web Development Intern
Dec 2023 - Jan 2024

- Participated in a structured internship with three progressive levels, completing targeted levels to build advanced web development skills.

- Enhanced technical proficiency by completing Level 3, which included advanced web development concepts, improving project outcomes.

Job Simulations

- **Tata Data Visualization:** Empowering Business with Effective Insights | Forage, Oct 2023

- **Walmart Global Tech Advanced Software Engineering:** Job Simulation | Forage, Oct 2023

Extracurriculars and Achievements

Fusion Club Member:

- Organized and participated in cultural and technical events, enhancing teamwork, event management, and leadership skills.

Defense Warriors Club Member:

- Engaged in discussions on national defense and security strategies, deepening knowledge of defense mechanisms and global security issues.

Hobbies: Chess – Enhances strategic thinking and problem-solving abilities.
Languages: Fluent in English and Hindi