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# Harshit Raj Arya

Bengaluru, Karnataka

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## EDUCATION

**Sai Vidya Institute of Technology** 2021 - 2025  
*Bachelor of Engineering CSE - CGPA - 8.3* Bengaluru, India

## SKILLS

### Technical Skills:

- Python, SQL, Java, HTML5, CSS, JavaScript, Django, Flask, MySQL

### Soft Skills:

- Communication, Team Collaboration, Technical Documentation, Leadership
- Problem Solving, Risk Assessment, Stress Management, Continuous Learning

## EXPERIENCE

Survey System Project Dec 2022 - Jan 2023

- Engineered a multi-step survey system in Java (Swing) with JRadioButton components, processing 100+ user inputs seamlessly.
- Optimized data persistence using BufferedWriter, reducing storage latency to 50ms and enhancing performance by 25%.
- Implemented asynchronous ActionListener callbacks, improving response time by 20% and increasing survey completion rate to 95%.

E-Commerce Website Jan 2024 - Feb 2024

- Developed a responsive e-commerce platform using HTML, CSS, JavaScript, and Bootstrap, ensuring 100% mobile optimization.
- Enhanced UI/UX with interactive elements (carousels, modals, navigation), boosting user engagement.
- Applied SEO best practices, improving search visibility and web accessibility.

PPE Compliance System Sep 2024 - Dec 2024

- Designed an intelligent safety compliance framework leveraging YOLOv8, attaining 92% detection precision for identifying protective gear in industrial settings.
- Integrated a real-time alert system with audio warnings, push notifications, and role-based authentication to enhance workplace safety enforcement.
- Refined model performance for varied operational conditions (low-light, obstructions) through data augmentation techniques, ensuring robust detection accuracy.
- Built a scalable web and mobile dashboard, facilitating real-time monitoring and improving remote safety management efficiency.

## INTERNSHIP

### Software Development Intern

TAP Academy Feb 2025 – Present

- Selected for the prestigious Campus to Corporate (C2C) Internship Program, focusing on bridging academic knowledge with real-world software development.
- Received intensive training in full-stack development, mastering software engineering principles, coding best practices, and industry methodologies.
- Designed, developed, and deployed real-world applications, showcasing expertise in problem-solving, debugging, and scalable software solutions.
- Gained proficiency in modern frameworks, tools, and agile methodologies, collaborating in an offline environment to execute projects efficiently.