

Harshverrdhon Singh Tanwar

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ABOUT ME

A passionate technophile and frontend developer who enjoys turning ideas into immersive and engaging web experiences. Fueled by a lifelong algorithm of curiosity and technical discovery, shipped with a few unexpected features.

ACADEMIC PROFILE

Year	Qualification	Institute	Grade (%)
Sep 2023 – Feb 2024	PG Diploma in Big Data Analytics	CDAC ACTS	82.25
May 2019 – Nov 2023	B.Tech in Computer Science Engineering	JK Lakshmipat University	85.69
Apr 2017 – May 2018	CBSE Class XII	St. Anselm's Sr. Sec. School	82.40
Apr 2015 – May 2016	CBSE Class X	St. Anselm's Sr. Sec. School	85.50

SKILLS

- Databases:** MongoDB, MySQL
- Frameworks:** Django, Playwright
- Libraries:** Ant Design, React, React Bootstrap, TanStack Query, Zustand
- Programming Languages:** Java, JavaScript, Python, SQL, TypeScript
- Tools and Softwares:** Git, UiPath Studio

WORK EXPERIENCE

Frontend Web Developer, AssessPrep (April 10, 2025 – Present)

- Optimized critical application workflows by reducing redundant backend requests, improving latency and overall user experience.
- Integrated AI driven features into the frontend to support assessment creation and automated grading, ensuring seamless usability for teachers.
- Developed an AI based assessment creation tool that allows teachers to generate a wide variety of questions, with full support for attachments such as PDF files, images, and other media from which questions can be generated.
- Implemented AI powered mark scheme generation that provides a detailed breakdown of how each mark should be awarded, guiding teachers and students with a clear and structured grading criteria.
- Built automated grading workflows capable of handling zero attempt submissions, response grading states, and grading cancellation.
- Created a unified grading progress synchronization system to ensure consistent status across all application views.
- Implemented per question AI grading that evaluates student responses, generates feedback, and adapts to configurable grading styles such as strict or lenient mode, offering flexibility for different teaching preferences.
- Performed comprehensive testing and debugging to ensure performance, stability, and reliability of AI intensive frontend components.
- Performed continuous code refactoring to improve performance, reduce complexity, and ensure a clean and efficient frontend architecture.

Frontend Web Developer, CDAC (April 1, 2024 – April 1, 2025)

- Created comprehensive wireframes using Figma to clearly define user interface structure, workflows, and layouts for software projects.
- Developed visually polished and user friendly frontend interfaces that adhered to the wireframes and met the functional and aesthetic goals of the project.
- Implemented core frontend logic to support key application workflows ensuring seamless integration with backend systems.
- Refactored frontend code to improve maintainability and optimize performance.
- Performed testing and debugging to ensure reliable functionality and smooth user experience.

ACHIEVEMENTS

- Recipient of the Certificate of Excellence in English, Mathematics and Informatics Practices (IP) in class XII.
- Sole student in college to secure and complete an international internship.
- Secured Dean's List honors for all semesters, representing the top 5% of the student body.
- Recipient of the Cloud Application Developer Mastery Award from IBM.
- Contributed to the production deployment of two applications: AIIMS and AssessPrep v3.