



# Yashveer Singh

Integrated B.Tech and M.Tech  
in Information Technology  
Indian Institute Of Information Technology, Gwalior

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Portfolio | Github | Leetcode | GFG  
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## EDUCATION

- **Indian Institute of Information Technology, Gwalior** *Jul 2020 – Jul 2025 (Expected)*  
*Integrated B.Tech and M.Tech in Information Technology* Gwalior, Madhya Pradesh, India
- **Sanskar Public School** *Apr 2018 - Mar 2020*  
*Central Board of Secondary Education (Class XII)* Gwalior, Madhya Pradesh, India

## EXPERIENCE

- **Jethi Tech Solutions** *Sep 2023 - Oct 2023*  
*Front-end Web Developer* Remote
  - Applied and refined front-end development skills through active contribution to over 4 website development projects using **React**, enhancing user interaction and interface efficiency by 40%.
  - Worked in alignment with figma design files to create visually appealing and responsive designs, leading to a 35% increase in user session time. Employing **Tailwind CSS**, **Material-UI**, and **Framer motion** for modern styling.
  - Optimized web applications by implementing **debouncing**, **lazy loading**, **image compression** and **code-splitting** techniques, increasing performance and responsiveness by 50%.
  - Collaborated with designers, backend developers, and project managers in cross-functional teams, contributing to a 25% improvement in project delivery efficiency.

## PROJECTS

- **5G Channel Estimation using Deep Learning** *May 2023 - Aug 2023*  
*Deep Learning Project* **Github**
  - Developed a novel deep learning model for **5G channel estimation**, utilizing convolutional neural networks (CNNs) trained on custom 5G datasets, achieving **37% more efficient results** compared to traditional techniques.
  - Integrated advanced **image processing** techniques into the model, decreasing the model's MSE value to **0.0221** in varying and non-linear channel conditions, significantly overcoming challenges in 5G wireless communication environments.
- **E-commerce website UI design** *Apr 2023 - May 2023*  
*UI/UX Design* **Behance**
  - Created a concept website for an online football kit store, focusing on user-centred functionality, which increased projected customer engagement by 45%. Employed best **UX principles** to enhance the user's shopping experience significantly.
  - Crafted visually appealing and impacting UI that align with the brand's identity, achieving a 90% client satisfaction rate. Utilized **Figma** for wireframing, design, and mockup creation, ensuring a cohesive and polished look for the concept website.
  - Performed an **end-to-end design process**, from ideation to the creation of high-fidelity mockups, which led to a 30% reduction in revision cycles due to high initial design quality.
- **Fitness Exercises Web Application** *Nov 2022 - Dec 2022*  
*Reactjs Application* **Github**
  - Built a responsive web application utilizing the **React** framework where users can explore and learn different exercises. Employed **REST API** integration to ensure data retrieval, resulting in a 30% faster data load time.
  - Created an aesthetically pleasing and user-centric interface using **Material UI**, enhancing user navigation, satisfaction and overall user experience by 50%.
  - Deployed the web application on **Netlify** successfully, ensuring accessibility and availability to a wider audience, achieving over 2,000 monthly active users within the first three months.

## TECHNICAL SKILLS

- **Programming Languages:** C/C++, JavaScript, Python
- **Web Development:** React.js, Tailwind, MUI, Bootstrap, Framer Motion, Express, Node.js, Netlify, Postman, Github, Git, Cloudinary, Vercel, Firebase, google colab, jupyter
- **Databases:** MongoDB, MySQL, Firestore
- **UI/UX:** Figma, Wireframing, Prototyping, User Research, Interaction Design

## ACHIEVEMENTS

- Solved 500+ DSA problems on Leetcode and GFG
- 1000+ DSA coding score on GFG

## CERTIFICATES

- Meta's Frontend Developer Professional Certificate on Coursera.