

# Tanmay Wankar

Full Stack Web Developer / BCA Final Year

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## Summary

BCA Final Year student and developer with freelancing experience of 2+ year in HTML/CSS (completing over 50 web projects) and 5+ months of JavaScript focus. Unlike traditional web developers, I possess deep systems fluency—understanding hardware-software abstraction, CPU architectures (ARM vs. x86), and OS internals. Experienced in delivering freelance web solutions and prototyping IoT systems. currently transitioning into Full Stack roles with a focus on the MERN stack (MongoDB, Express, React, Node.js).

## Technical Skills

Web Development	HTML5, CSS3 (2+ yrs freelancing), JavaScript (ES6), React, Node.js, MongoDB
Systems Literacy	Computer Architecture (ARM vs. x86), Virtualization & Emulation, File System Management (Compression/Structures), Software Translation Layers
Programming	C++, JavaScript, Basic C#, Shell Scripting (Bash)
Tools	Git, GitHub, VS Code, Linux (CLI/Administration), NPM, Tailwind CSS
Hardware/IoT	ESP32 , Raspberry Pi, Android System Troubleshooting

## Experience

- 2021–Present **Freelance Web Developer, Self-Employed**
- Designed and developed custom websites for small businesses and college students using HTML, CSS, and JavaScript.
  - Managed the full lifecycle of web projects, including UI/UX design, logo creation, and responsive coding.
  - Collaborated directly with clients to translate business requirements into functional digital products.
  - Leveraged Tailwind CSS for modern, utility-first design implementations.

## Education

2023–2026 **Bachelor of Computer Applications (BCA), G.H Rasoni College of Engineering and Management, nagpur, India, Final Year**  
Major in Computer Science and Application Development.

## Key Projects

- Ongoing **Full Stack Blog Application**, *Personal Project*, React, Node.js, MongoDB
- Currently building a simple blog platform to practice React hooks and RESTful API integration.
  - Implementing user authentication and secure login systems using Node.js.
- 2025 **Tutorial Portfolio Series**, *Personal Practice*, JavaScript
- Developed a suite of "barebone" projects including a POS System and Calculator to master core JavaScript logic.
  - Focused on DOM manipulation, event handling, and clean code principles.
- 2023–2025 **IoT & Hardware Tinkering**, *Personal Projects*, ESP32, C++, IoT
- Built and deployed over 50 prototype projects focusing mostly on frontend web development.
  - Gained deep knowledge of ESP32 boards, sensors, and hardware-software communication protocols.

## Additional Skills & Interests

- Problem Solving Excellent troubleshooting skills in both software environments (debugging code) and hardware/OS levels (Android system fixing).
- OS Knowledge Comfortable navigating and managing Linux-based environments; extensive knowledge of the Android subsystem.
- Interests Active follower of global tech trends, hardware design, and building digital tools that solve daily problems.