GARVIT SIWACH

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SUMMARY

Computer Science undergraduate with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming. Skilled in front-end development (HTML, CSS, JavaScript, React.js) and back-end tools (Node.js, Express), with hands-on experience in building interactive web apps, UI/UX prototypes, and automation tools. Passionate about problem-solving, creative UI design, and developing real-world applications that combine functionality with user experience.

TECHNICAL SKILLS

Python	Java / Advance Java	Problem solving OOPs	React.js
CPP / C	Javascript	Data Structures and Algorithms	Express
HTML / CSS	MySQL	Node.js	Figma / Ui/Ux

PROJECTS

SwiftPay – Biometric Payment System (UI/UX in Figma)
- Designed the UI/UX in Figma for a phone-free payment system using fingerprint authentication and UPI PIN. Features include voice assistant support and fraud detection, focused on a secure and intuitive user experience.

Neon ArcStar (WebApp in HTML5 Canvas/CSS/JS)
- Built an interactive math-graph game with JavaScript, HTML5 Canvas, CSS3, and Math.js, featuring real-time equation parsing, neon visualizations, and gamified star-collection mechanics. Designed to blend mathematical learning with engaging gameplay, highlighting skills in interactive web development and creative UI design.

ChargeXpress – Public Charging Hub (Website in HTML/CSS/JS)
- Built a responsive website prototype for ChargeXpress, a concept for secure, eco-friendly public charging stations with QR-based user access and solar power integration.

Automated Screen Capturing Tool (Python)
- Developed a Python tool to automatically capture key screen visuals during video playback or lectures, aiding efficient digital note-taking.

Death Clock (Website in HTML/CSS/JS)
- Death Clock is a horror-themed web app that visualizes your remaining life based on birthdate and life expectancy. Featuring a glowing arc-style countdown, personalized motivational messages, eerie UI, and time quotes, it pushes users to stay focused and turn every second into legacy. Built with HTML, CSS, and JavaScript.

EDUCATION

Dronacharya College of Engineering (2022-2026)
- B.Tech. - Computer Science & Engineering

KV NSG MANESAR, Gurugram
- 12th (Science) | CBSE (2022)
- 10th | CBSE (2020)

CERTIFICATIONS

- **Data Structures**
- **HTML/CSS:** Course taught by industry experts on HTML and CSS for front-end development.
- **Python:** Focusing on the conceptual and practical aspects of Python programming.
- **Advanced C++:** Covering complex topics in C++ programming.
- **Web Development:** Course taught by experts at IIT Roorkee on web development.