

Nandini Gangrade

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Education

IES IPS Academy, Indore - B.Tech in Computer Science and Engineering (CGPA: 8.6)	2020 – 2024
Scholars Den Hr. Sec. School, Khandwa - 12th Board (CGPA: 7.7)	2019 – 2020
St. Joseph's Convent Sr. Sec. School, Khandwa - 10th Board (CGPA: 7.4)	2017 – 2018

Skills & Certifications

Technical Skills : Python, Object-Oriented Programming, Software Development Life Cycle (Agile/Scrum), APIs

Interpersonal Skills : Critical Thinking, Decision-Making, Ownership Mindset, Adaptability, Passionate Learner, Initiative, Creativity, Time Management, Analytical & Effective Communication Skills.

Certifications : *HTML, CSS, JavaScript, jQuery, Programming Languages (C++, Java), Data Structures, React.js, Node.js, Express.js, MongoDB, SQL, Azure DevOps, Docker, Git, GitHub*

Experience

YouTube

Jan. 2023 – Present

Creator (youtube.com/@CodeCrusaders) | DSA, Problem-Solving, Fast-paced Development, Streaming

- Expanded **CodeCrusaders** to **136+ subscribers** by strategically producing **30+ technical videos** covering LeetCode, competitive programming, data structures, algorithms, and their complexities in **Python, Java, Cpp**.
- Developed a **text-to-speech website** (*Speech-Text-Reader*) for automated AI voiceovers, reducing manual effort by **70%** and streamlining video production by **40%**.
- Executed a **strategic content roadmap**, increasing **viewer engagement by 50%** through optimized thumbnails and video editing using **Canva**, leading to a **2.5x growth in video impressions** within 3 months.

Hexaware Technologies

Apr 2023 – May 2024

Data Analyst (Virtual Art Gallery) | Python, OOPs, PyUnit, MSSQL, CRUD

- Developed a Python-based **CLI application** to manage and explore **500+ artworks**, integrating **CRUD functionalities** for seamless operations and efficient **database** interactions.
- Optimized **inventory control** and **search algorithms**, reducing query response time by **30%**.
- Leveraged **MSSQL RDBMS** for structured data management, ensuring high availability, scalability, and secure handling of **1,000+ records**.
- Maintained code integrity and streamlined collaboration through **Version Control**, enabling rapid iterations and efficient product delivery.

Projects

Code Crusaders

January 2025

Web Developer (code-crusaders-dsa-patterns.vercel.app) | React, Vite, Tailwind CSS, JSON

- * Design a fully functional **DSA practice website** with **17 competitive programming patterns**, explanations, pseudocode, and practice links, demonstrating a **strong** grasp of full-stack principles.
- * Optimize platform performance, reducing **load time by 40%** using **efficient build strategies** and **Vite's Hot Module Replacement (HMR)**, showcasing **attention to detail** in optimizations.
- * Achieve a perfect **100% Lighthouse score** by adhering to best practices for accessibility and responsiveness. Incorporate user **feedback** for continuous improvement.
- * Enhance **UI/UX** with a **collapsible sidebar**, **dark mode toggle**, and **intuitive navigation**, leading to a **30% increase in engagement** and improved **product** usability.
- * Lead **deployment of new features**, focusing on **optimization**, **scalability**, and end-to-end **product** development.
- * **Implement** state-of-the-art technologies for highly **performant code**, ensuring speed and responsiveness.

Leadership & Extracurricular Involvement

- * Solve **560+ problems** on *LeetCode* and actively participate in various coding contests, embracing an **entrepreneurial and small** approach to problem-solving.
- * Rank **2nd on GeeksforGeeks** among competitive programmers, demonstrating strong problem-solving skills with a **vision to build solutions** that impact the real world.
- * Lead and actively **collaborate** with **36 teams out of 500+** in Hackathon 2.0, leveraging **Frontend Development** and **Back-End** expertise to design and implement **Aorta - A Virtual Nurse**, a healthcare app and website. Integrate **Industry Trends** to drive **innovation** in enhancing medical services, focusing on **real-time** problem-solving.
- * Contribute to **6Companies30Days** and **Crack Your Placement**, coding challenges designed to improve DSA skills and coding proficiency while making learning **playful and engaging**.