

Nishant Gaur

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Education

Indian Institute of Information Technology Kottayam
Bachelor of Technology in Electronics and Communication Engineering
CGPA: 6.7/10

Kottayam, Kerala
Nov 2022 – May 2026

Alpine Public School
Senior Secondary (CBSE)
Grade: 82%

Khurja, India
2020

Alpine Public School
Secondary (CBSE)
Grade: 80%

Khurja, India
2018

Technical Skills

Languages: Java, C/C++, Python
Frontend: HTML, CSS, JavaScript
Backend: Node.js
Frameworks: ReactJS, Express.js, Bootstrap, TailwindCSS, Phaser.js
Database Systems: SQL, MongoDB
APIs: RESTful APIs, Fetch API
Developer Tools: VS Code, Linux, GitHub

Projects

SchemeHub India | *ReactJS, Bootstrap, CSS, Node.js, ExpressJS, MongoDB* **Sep 2024 – Present**

- Built an interface for versatilizing government programs according to consumers' data on demographics and economics
- Used interactive visualization tools to improve decision making while boosting the participation levels by **40%**.
- Enhanced the real-time tracking and categorization of schemes, leading to improved data accuracy and user experience, and optimizing navigation efficiency by **30%**.
- Established secure backend functionality to safeguard user data and enhance system integrity, improving user credibility and boosting overall platform stability by **35%**.

Balloon Burst Game | *HTML5, Phaser.js* **Oct 2024 – Nov 2024**

- Created balloons with text bubbles in alphabetical view using the Phaser physics. Players pop balloons by clicking which makes corresponding sounds and emits some particles.
- Multiple levels of difficulties created based on the balloon position and letters assigned dynamically which enhances gameplay freedom and **30%** improvement in player interest.
- Implemented responsive scaling in order to retain the ability to scale the game from one screen size to another, while maintaining the highest quality of experience in each size.
- Implemented new audio features such as sounds of popping of balloons and achieved an enhanced hearing entertainment **40%** that enhanced the quality of interactions for players.

News Website | *HTML, CSS, JavaScript, API* **July 2023 – Oct 2023**

- Developed and maintained a comprehensive digital news platform covering diverse topics and increased average time spent on the site by **25%**.
- Streamlined data retrieval processes through effective optimization of the Fetch API; improved load efficiency on resource-intensive pages enabling an average decrease of loading times across key features by nearly **4** seconds.
- Designed responsive article cards to optimize access and make them **40%** easier to read.
- Performed user engagement enhancement and observed a **20%** increase in the interactive features engagement rate.

Relevant CourseWork

- Data Structures
- Computer Network
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Operating System
- Computer Organization

Achievements

- Solved 60+ problems on LeetCode
- Project selected in Internal Hackathon of SIH (SchemeHub India)

Certificates

- Hackoona Matata Development Contest** | IIIT Kottayam