

# ANSHUL RANA

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## EDUCATION

### Graphic Era Hill University

*B.Tech - Computer Science and Engineering - CGPA: 7.69*

**Sep 2022 – Aug 2026**

*Haldwani, Uttarakhand*

### Doon Convent School

*Intermediate - 70%*

**Jul 2021 – May 2022**

*Haldwani, Uttarakhand*

### Doon Convent School

*High School - 75%*

**Jul 2019 – May 2020**

*Haldwani, Uttarakhand*

## COURSEWORK / SKILLS

- Data Structures
- OOPs Concepts
- Google Cloud
- Operating Systems
- Machine Learning
- DBMS

## PROJECTS

### ADmyBRAND SaaS Landing Page | Next.js, TypeScript, Tailwind, Framer Motion

**July 2025**

- Built a responsive landing page with 6+ sections and 12+ reusable component system.
- Integrated pricing toggle, FAQ accordion, and testimonial carousel with Framer Motion for smooth UX.
- Deployed on Netlify with CI/CD and optimized for sub-1s load times and cross-device performance.

### CPU Scheduling Visualizer | React, Next.js, Tailwind CSS, JavaScript

**Apr 2025**

- Designed and deployed an interactive web app to simulate 4+ CPU scheduling algorithms, featuring real-time Gantt chart rendering and performance comparison.
- Engineered reusable React components with Next.js routing, cutting code redundancy by 30% and enhanced responsiveness using Tailwind CSS.

### AQI Index Prediction | Python, Machine Learning, Streamlit

**Dec 2024**

- Trained a Random Forest model with **86%**  $R^2$  score to predict PM2.5 and AQI from temperature, humidity, and wind speed data.
- Fetched weather data from public APIs and plotted AQI levels over time using Streamlit.
- Added AQI alerts and displayed related health tips based on standard air quality thresholds.

### Text to Speech Converter | JavaScript, HTML, CSS3

**Nov 2024**

- Implemented a browser-based text-to-speech solution leveraging the Web Speech API with 10+ voice options and multilingual support.
- Optimized user experience by applying asynchronous JavaScript to eliminate UI blocking and reduce speech latency by 50%.

## TECHNICAL SKILLS

**Languages:** JavaScript, PHP, HTML5, CSS3, Python

**Frameworks & Libraries:** React.js, Next.js, Tailwind CSS, Streamlit

**UI/UX Tools:** Figma, Git/Github, Netlify

**Testing Dev Tools:** Chrome DevTools, ESLint, VS Code

## CERTIFICATIONS

- Google AI Essentials | Coursera
- Explore Machine Learning Using Python | Infosys SpringBoard
- Python for Data Science | Infosys SpringBoard

## EXTRACURRICULAR

- Semi-finalist in Code Gladiators 2024 and 2023 — one of India's largest coding contests.
- Participant in HackOn with Amazon (Season 5) and TCS CodeVita (Season 12).
- State Champion (2019) and National Runner-up (2018, 2019, 2021) in Kyokushin Full Contact Karate tournaments.