

PRIYANSH ARORA

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Aspiring Software Developer | Frontend Engineer | AI Enthusiast

Enthusiastic and detail-oriented undergraduate IT student with strong foundational knowledge in software development, object-oriented programming, and modern web technologies. Demonstrated success in developing interactive applications and deploying AI-driven solutions with a focus on usability and performance. Eager to contribute technical expertise and problem-solving skills in a challenging tech-driven environment.

Key Skills Summary

Programming Languages	C++, Java, Python
Web Technologies	HTML, CSS, JavaScript
Frameworks & Libraries	React.js, Node.js
Database	MySQL
Tools & Platforms	VS Code, Git, GitHub, Linux, Windows, Docker, AWS
Software Concepts	Data Structures, Algorithms, OOP, SDLC

Projects

- [Text-to-Speech Web Application](#)

Technologies Used: React.js, AWS Polly, JavaScript

- Developed a full-stack web app to convert text input into realistic speech using Amazon Polly.
- Integrated audio playback features with download options and implemented real-time voice synthesis.

- Delivered an intuitive user experience with a polished UI and interactive controls.
- [Crop-Detection and Yield Prediction using Satellite Imagery](#)
Technologies Used: Python, YOLOv8, NDVI, Random Forest
 - Built a data-driven model combining satellite imagery and weather data to predict crop yield.
 - Integrated object detection (YOLOv8) with vegetation analysis (NDVI) and machine learning (Random Forest).
- [Delhi Metro App](#)
Technologies Used: C++
 - Designed a terminal-based system for Delhi Metro management using Dijkstra's algorithm.
 - Features included fare calculation, route optimization, and file-based data persistence.
 - Implemented admin and user modules with authentication.
- [React Poke-API App](#)
Technologies Used: React.js, JavaScript, Axios, PokeAPI
 - Created a responsive React app to fetch and display Pokémon data using RESTful APIs.
 - Features include search, pagination, and detailed Pokémon stats using dynamic state management.

Education

Jaypee Institute of Information Technology, Noida, UP
Bachelor of Technology (B.Tech) – Information Technology
2022 – 2026 | CGPA: 7.1

Summer Fields School, New Delhi
12th CBSE: 96.7%
10th CBSE: 95.4%

Core Competencies

- **Analytical Thinking:** Skilled in designing algorithmic solutions and debugging code efficiently.
- **Communication:** Able to clearly convey technical concepts to both peers and non-technical audiences.
- **Team Collaboration:** Open to working in agile teams and capable of integrating seamlessly into team settings.
- **Time Management:** Effectively handles academic and project deadlines with strategic planning.

References

Available upon request.