

YASH UPPAL

Kanpur, Uttar Pradesh

☎ +91 6387578748 ✉ 2k22.cse.2213230@gmail.com [in LinkedIn](#) [GitHub](#)

EDUCATION

Bachelor of Technology - Computer Science and Engineering

2022 – Present

Pranveer Singh Institute of Technology, Kanpur

CGPA:7.4 (till 4th sem)

Intermediate - PCM and Computer Science

2021 – 2022

Dr. Virendra Swarup Public School, Kanpur, Senior Secondary(XII), (CISCE)

Percentage:- 76%

High School - PCM and Computer Science

2019 – 2020

Dr. Virendra Swarup Public School, Kanpur, High School(X), (CISCE)

Percentage:- 86%

EXPERIENCE

Bluestock Fintech

April 2025 – June 2025

Lead Developer

Remote

- Built a secure and scalable IPO web platform enabling users to apply for IPOs and admins to manage DRHP uploads and approvals in real time.
- Developed the backend using Node.js and Next.js API routes, implemented secure login and JWT-based authentication, and created REST APIs for IPO listings, user applications, admin approvals, and DRHP file uploads.
- Designed the PostgreSQL database using Prisma ORM, created schema models for Users, IPOs, Applications, and Documents, and used seed data to simulate real-world records during testing.
- **Tech Stack:** TypeScript, React.js, Next.js, Tailwind CSS, PostgreSQL, Prisma ORM, REST API, JWT.

PROJECTS

AI Plagiarism Checker | *A tool to detect and mitigate instances of a plagiarism in AI generated content.* Oct 24 - Present

- * Developed GPT Shield, a web-based AI plagiarism detection tool using Streamlit, integrating GPT-2 (via Hugging Face Transformers) to assess text authenticity through perplexity and burstiness metrics.
- * Created interactive data visualizations using Plotly Express to display the top repeated words and enhance user understanding of text patterns.
- * Engineered a clean, responsive UI with Streamlit, allowing real-time text analysis and AI-vs-human content classification for end users.
- * **Tech Stack:** Python, Streamlit, Hugging Face Transformers, PyTorch, NLTK, Plotly Express, Machine learning.

Path Finder Visualizer | *an Application determining the most optimal route between two points.*

May 24 - Aug 24

- * Developed an interactive web-based Pathfinding Visualizer to demonstrate and compare 8 different pathfinding algorithms including Dijkstra's, astar.js, BFS, DFS and Bi-directional search.
- * Designed the app as an educational tool to help learners and developers visually grasp how different algorithms find the shortest path in a grid.
- * Implemented advanced visualizations and animations for algorithm traversal and maze generation (recursive division, stair patterns), with dynamic user controls for speed, algorithm selection, and grid manipulation.
- * **Tech Stack:** JavaScript, Bootstrap, JQuery, Node.js, Express.js, HTML5, CSS3.

Meet The Stranger | *Built a real-time video chat application that enables communication between users.* Feb 24 - Apr 24

- * Integrated Socket.io for signaling to establish and manage secure WebRTC connections, enabling chat and video calling with dynamic UI updates.
- * Implemented and optimized media features such as mic/camera toggling, screen sharing, and in-browser video recording using the MediaRecorder API, while designing a modular architecture with ES6 modules to separate concerns (e.g., signaling, UI, recording, stranger matching), significantly enhancing scalability and maintainability.
- * **Tech Stack:** JavaScript, Node.JS, Express.JS, WebRTC, Socket.io, MediaRecorder API, ES Modules.

SKILLS AND INTERESTS

Languages: Python, C, C++, JavaScript, HTML/CSS, SQL.

Developer Tools: VS Code, GIT, GitHub, Oracle.

Frameworks/Libraries: NodeJS, Tailwind CSS, React.JS.

Course Work: Database Management System, Data Structures and Algorithms, Object Oriented Programming.

Soft Skills: Problem Solving, Adaptability, Time Management, Leadership.

ACHIEVEMENTS

- * Bagged numerous Certifications for Python, JavaScript, AI/ML, Web Development.
- * Solved 100+ Problems on various coding Platforms, such as Leetcode, GeeksforGeeks and Hackerrank.