# Ashwani Selwal

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## Education

**National Institue of Technology Kurukshetra**                                        *Nov 2021 - Present*
*B.Tech in Electronics and Communication*     6.67/10

**DAV Centenary Public School, Jind**                                        *March 2020 - March 2021*
*12th - CBSE*    8.7/10

## Projects

**Van Cam : A Handy Camera**                                        *Code* ☑  Demo ☑
**React.js**, **Node.js**, **Google Photos API**, **Google Auth**
  ○ Developed a web app using React.js and Node.js for capturing and uploading images directly to Google Photos.
  ○ Integrated **Google OAuth** for secure login and **Google Photos API** for album management.
  ○ **Automatically stores** captured images in the selected Google Photos Album, reducing manual upload time.
  ○ Implemented a **queuing** system in Node.js for efficient multiple-image uploads.
  ○ Used react-webcam for real-time image capture and added collaborative sharing via Google Photos API.

**Health For You, For Us**                                        *Code* ☑  Demo ☑
**React.js**, **Node.js**, **MongoDB**, **ZegoCloud API**
  ○ Created a platform to connect patients with mental health professionals, offering services like mental health assessments, personalized reports, and real-time doctor consultations.
  ○ Built using JavaScript, React.js, Node.js, Express.js, and MongoDB with **role-based authorization**, managing separate sessions for doctors and users.
  ○ Integrated **ZegoCloud API** for video calling and in-call chat functionality, allowing seamless communication during consultations.

**Technical Club's Website**                                        *Demo* ☑
**React.js**, **Three.js**, **Tailwind CSS**, **Node.js**, **Express.js**, **MongoDB**, **Cloudinary**
  ○ Developed a **React Vite** application to showcase robotics and embedded systems projects, events, and activities
  ○ Implemented a full-stack **authentication** system, allowing students to **register, log in**, and participate in club events.
  ○ Designed an **admin dashboard** for event management, participant supervision, and real-time data updates.
  ○ Improved club data management **efficiency by 90%** through better content organization and documentation.
  ○ Developed a dynamic gallery feature using **Cloudinary** API for seamless media uploads and display.
  ○ Built an **event management system**, enabling admins to create and manage future events effortlessly.

## Skills

**Programming Languages:** C++, JavaScript, Python
**Web Development:** React.js, Next.js, Redux Toolkit, Node.js, Express.js, REST APIs, GraphQL
**State Management:** Redux Toolkit, React Context API
**UI & Styling:** Tailwind CSS, Material UI, Styled Components
**Database:** SQL, MongoDB
**Cloud & Version Control:** Render, Vercel, Netlify, GitHub, Git, GitHub Actions
**Cloud & Media Services:** Firebase, Google Cloud Platform (GCP), Cloudinary
**CS Fundamentals:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Problem-Solving
**Soft Skills:** Team Work, Management, Leadership

## Volunteer and Achievements

  • Led a team of 5 members and became a **College Finalist** for the National-level **SIH Hackathon**.
  • **Secretary** of the Technical Club - Embedded Systems & Robotics Club, NIT Kurukshetra.
  • Solved **700+** DSA problems across LeetCode, GeeksforGeeks, and Coding Ninjas.
  • Led a hands-on **Embedded Systems workshop**, teaching students to design and build robots from scratch.
  • Organized a 3-day **IoT workshop** on home automation for **120+ students**, teaching concepts and projects developed over 4-5 months.