

Ansul Pal

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OBJECTIVE

Full Stack MERN Developer with hands-on experience in building responsive and scalable web apps using React, Node.js, Express, and MongoDB. Strong collaborator in Agile teams with a focus on clean code and efficient solutions.

SKILLS

Languages: Java, JavaScript, C++, Node.js

Frontend: React.js, HTML5, CSS3, Tailwind, Bootstrap, React Native

Backend: Node.js, Express.js

Database: MongoDB, SQL

Tools: Git, GitHub, Figma

Soft Skills: Communication, Teamwork, Critical Thinking

CERTIFICATIONS

- Java Full Stack – CETPA Infotech Pvt. Ltd.
- React Developer – Infosys Springboard
- JavaScript Essentials – Infosys Springboard

EDUCATION

B.Tech in Information Technology, Guru Nanak Dev Engineering College, Ludhiana

Aug 2021 – June 2025

EXPERIENCE

Software Developer Intern, Ansh Infotech

Mar 2023 – May 2023

- Built responsive MERN apps, increasing user engagement by 30%.
- Reduced load time by 20% through performance optimizations.
- Implemented secure login and payments, improving retention by 15%.

PROJECTS

AeroSecure – Smart Fire Oxygen Detection IoT System: Technologies: ESP32, C++, Node.js, Express, MongoDB, React.js, WebSockets, Tailwind CSS, Chart.js, REST APIs.

- Designed and developed a real-time IoT-based home safety system using ESP32 and multiple sensors.
- Built a MERN stack web dashboard for users and fire departments to monitor sensor data, receive alerts, and control the system remotely.
- Implemented automatic alert mechanisms using a buzzer, relay-controlled fan, and real-time SMS/phone notifications in case of fire, gas leakage, or low oxygen.

E-Commerce Website: Built secure, responsive MERN-based platform using Cloudinary and JWT.

User Tracking System: Developed GPS-based system to monitor police duty locations.

Blood Source Navigator: Tool to help hospitals find nearby blood donors quickly.

ACHIEVEMENTS

Kavach Hackathon (MHA India): Runner-up in national security hackathon with a full-stack solution using React, Node.js, and Cloudinary.

LEADERSHIP & ACTIVITIES

Tech Team Head – Data Science Club, GNDEC

Senior Executive – FM Radio Station, GNDEC

Cadet – NCC Air Wing (National Cadet Corps)