



# SHALNI BHARTI

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## Education

<b>Chandigarh Group of Colleges , Jhangeri</b> Bachelor of Technology in Electronic and Communication Engineering   Mohali , Punjab   SGPA : 8.77/10	2022 - 2025
<b>Sant Longowal Institute of Engineering and Technology</b> Integrated Certificate Diploma in Electronic and Communication Engineering   Sangrur , Punjab   SGPA : 9.28/10	2019 - 2022
<b>Paramount Academy School</b> Class X   Muzaffarpur , Bihar   Score : 76.2%	2017 - 2019


## Experiences

<b>AITOXR ( Full Stack Developer )</b> - <b>UrCompanion</b>   <a href="#">Live</a>  “ <b>TypeScript   React.js   Next.js   Razorpay   Supabase   AWS EC2   WebRTC   Zego Cloud   RSA + AES Encryption   Tailwind CSS   Linux</b> ” - Built and optimized scalable web applications using <b>React.js, Next.js, TypeScript</b> , and <b>Tailwind CSS</b> , enhancing responsiveness and improving overall performance across devices by 25%. - Developed and integrated <b>RESTful APIs</b> with <b>Supabase</b> (MySQL, PostgreSQL), implementing role-based authentication and end-to-end encryption using a hybrid <b>RSA + AES</b> approach, strengthening data security and reliability by 40%. - Integrated <b>Razorpay</b> for secure payment workflows and <b>Zego Cloud</b> (WebRTC) for seamless video, audio, and live streaming boosting real-time engagement. - Managed source control with Git and deployed applications on <b>AWS EC2</b> using Linux (Ubuntu), optimizing <b>CI/CD</b> pipelines and reducing deployment time by 35%. - <b>Turflo Landing Page</b>   <a href="#">Live</a>  “ <b>TypeScript   React.js   Node.js   Tailwind CSS   Google Sheets API   Nodemailer   AWS EC2</b> ” - Built a responsive and high-performing landing page using <b>React.js, TypeScript</b> , and <b>Tailwind CSS</b> . - Integrated <b>Node.js</b> backend to send contact details to the official Turflo email and Google Sheets. - Deployed on <b>AWS EC2</b> for secure, scalable, and production-grade hosting.	Mar'25 - present
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## Technical Skills

- **Languages:** Java, Java + DSA, C++, JavaScript, TypeScript
- **Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Tailwind CSS
- **Databases:** MySQL, MongoDB, Firebase, Supabase
- **Cloud & DevOps:** AWS EC2, Linux, Zego, API Integration
- **Developer Tools:** Git, GitHub, Figma, Postman, Arduino IDE

## Projects

<b>Wanderlust</b>   <i>React.js, Node.js, Express.js, MongoDB, MongoDBAtlas, Google Maps API</i> • Built a travel website with <b>React.js</b> front-end featuring an interactive <b>Google Map</b> for destination discovery ,add user authentication. • Developed secure <b>Node.js</b> and <b>Express.js</b> back-end handling API requests and user-generated content. • Integrated <b>MongoDB/MongoAtlas</b> for data storage, search functionality, and efficient retrieval. <b>Industrial IoT-Based Gas Detection</b>   <i>ESP8266, DHT11, MQ-2, ESP-CAM</i> • Developed an IoT-based industrial gas detection system for real-time monitoring and alerting. • Integrated <b>ESP8266, DHT11, MQ-2</b> sensor, and <b>ESP-CAM</b> for accurate environmental data collection. • Enabled wireless communication for remote data access and monitoring and Implemented power-saving techniques.	<a href="#">Live</a> 
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## Achievements

- Represented as “*Meritorious Student Award*” in the annual function at CGC, Jhageri.
- Secured **3rd Prize** in the *D4 Hackathon* Challenge, a 24-hour live hackathon.
- Our team achieved **3rd Prize** in the *National Level Ideathon* at *OP-JINDAL* University.

## Certifications

- Full Stack Development Training | PG-Tech, Chandigarh
- Internet of Things Training | NIELIT, Lucknow
- Marketing & Publicity Team Member | TechFest'22, SLIET