

HEMRAJ PANCHAL

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LINKEDIN | SDE PORTFOLIO | BDE PORTFOLIO | DATA ANALYSIS | GITHUB

Summary

Frontend-focused Full Stack Software Engineer with hands-on experience building scalable web applications using Angular, React, Next.js, and Node.js. Strong expertise in JavaScript (ES6+), TypeScript, REST API integration, real-time data systems, and modular component architecture. Experienced in developing production-ready applications with authentication systems, WebSocket integrations, and database-backed services. Passionate about building high-performance user interfaces and scalable systems in fast-paced engineering environments.

Education

B.Tech – Computer Engineering (2025)

Swarnnim Startup & Innovation University | CGPA: 8.20

Technical Skills

- Angular (Components, Lifecycle Hooks, Dependency Injection, Routing, Guards)
- RxJS Observables & Reactive Programming
- React.js, Next.js
- TypeScript, JavaScript (ES6+)
- HTML5, CSS3, SCSS
- Responsive UI Design
- Component-Based Architecture

Backend Development

- Node.js
- Express.js
- REST API Development
- JWT Authentication
- Microservices Architecture (Basic)

API & Networking

- RESTful API Integration
- WebSocket Real-Time Communication
- GraphQL Queries & Mutations
- AJAX & JSON Data Handling
- API Gateway Integration

Databases

- PostgreSQL
- MySQL
- Database Schema Design
- Optimized JOIN Queries
- CRUD Operations & Indexing

Testing

- Jest
- Jasmine & Karma
- Integration Testing
- API Mocking

Testing

- Git & GitHub
 - Postman
 - NPM / Yarn
 - Vite
 - CI/CD Basics
 - Webpack Fundamentals
 - Docker (Basic)
 - Vercel Deployment
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PROJECTS (Live Links)

CoinPulse - Real-Time Cryptocurrency Monitoring & Alert System

Tech: Angular, TypeScript, RxJS, Binance WebSocket API

- Built real-time crypto dashboard tracking BTC, ETH, and SOL prices
- Integrated Binance WebSocket & REST APIs for live price streaming
- Managed asynchronous data using RxJS Observables
- Implemented configurable price alert system with threshold validation
- Designed modular Angular architecture with reusable components
- Implemented structured error handling and reconnection logic

Galaxy Chat - AI Chatbot Platform

Tech: Next.js, AI SDK, Clerk Auth, MongoDB, Cloudinary

- Developed modular React/Next.js components for dynamic UI rendering
- Implemented authentication and secure session management
- Integrated REST APIs for AI chat functionality
- Built secure file upload handling and media storage

Live: <https://galaxy-chat-ai.vercel.app>

Jeevan Cure - Emergency Healthcare Platform

Tech: Node.js, Clerk Auth, Vonage SMS API, Cloudflare R2

- Developed backend services for emergency healthcare facility locator
- Integrated third-party APIs for automated SMS notifications
- Implemented secure document storage using Cloudflare R2

Live: <https://jeevan-cure.vercel.app>

Grab - E-Commerce Platform

- Developed responsive UI for product listing and checkout flow
- Implemented authentication, cart, wishlist and order tracking
- Designed modular component architecture for scalability

Live: <https://hemraj1104.github.io/Grab-Ecommerce>

Portfolio Website

- Developed responsive portfolio using modern frontend practices
- Optimized SEO and deployment using GitHub Pages

Live: <https://hemraj1104.github.io/Portfolio>

Experience & Certifications

JPMorgan Chase – Software Engineering Job Simulation (Forage) | Jan 2026

- Built Spring Boot microservice integrating Apache Kafka and REST APIs.
- Implemented data persistence using Spring Data JPA and H2 database.
- Applied exception handling and modular service architecture.

Postman API Fundamentals – Student Expert

ADDITIONAL SKILLS

- Strong communication (English, Hindi, Gujarati)
- Problem solving and analytical thinking
- Client interaction and presentation skills
- Ability to work in fast-paced engineering environments