

# HARIHAR BAJPAI

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## EDUCATION

### Vellore Institute of Technology

B.Tech in Computer Science Engineering; CGPA: 8.21

May 2026

### St. Mary's Inter College

12th Standard; 81.2%

July 2022

## TECHNICAL SKILLS

**Programming Languages:** C++, Python, SQL, TypeScript, JavaScript

**Frontend Development:** HTML5, CSS3, React.js, Tailwind CSS, shadcn/ui

**Backend Development:** Node.js, Express.js, RESTful API Development, WebSockets, JSON Web Token (JWT) Authentication

**Databases:** MySQL, MongoDB, Amazon DynamoDB, Redis, Upstash

**Cloud & DevOps:** Amazon Web Services (AWS EC2), Render, Docker, Environment Variable Management, Deployment Automation

**Developer Tools:** Git, Postman, Chart.js, Cloudinary, Google Sheets

**Core Skills:** Responsive Web Design, Performance Optimization, System Scalability, Data Modeling

## WORK EXPERIENCE

### Freelance Software Engineer — GICPL Cricket Analytics Platform

August 2025

- Attained a cricket analytics platform for **200+ users** using the **MERN stack (MongoDB, Express.js, React, Node.js)**
- Implemented real-time scoring with **WebSocket**, improving data refresh speed by **40%** compared to polling-based methods
- Deployed hybrid storage with **MongoDB** (content) and **Amazon DynamoDB** (match stats); achieved single-digit ms latency for live queries
- Executed a role-based **admin dashboard** with **JWT authentication** to manage teams, players, schedules, and announcements

## PROJECTS

### ProHireHub — Job Portal (MERN Stack)

March 2025

- Launched a MERN job portal with **REST APIs** and **JWT (HS256)** authentication; optimized MongoDB queries to cut load time by **70%** and onboarded **300+** users in week 1
- Developed responsive UI with **React 18**, **Tailwind CSS**, and **shadcn/ui**; accomplished **90%+** cross-browser compatibility and high Lighthouse scores
- Integrated **Google Gemini API** chatbot; resolved **80%** of support queries and reduced service workload by **60%**
- Built advanced job search using **MongoDB text indexes**, filters, and aggregation pipelines; delivered typical query responses in **< 1 second**

### Xenoit — Multi-Tenant Shopify Data Ingestion & Insights Service

Sep 2025

- Built a secure **OAuth 2.0 flow** for Shopify app installation with HMAC verification; enabled multi-store onboarding with tenant-level credential storage and isolation
- Ingested **3 core entities** — customers, orders, and products — via Shopify APIs with cursor-based pagination; added Redis caching to cut duplicate calls by **65%** and boost throughput by **2.3×**
- Implemented webhook synchronization for **4 event types** (orders, products, customers, app uninstall) with raw-body HMAC checks and retry logic for reliable updates
- Delivered a React dashboard with Google OAuth login showing revenue, order trends with **date filtering**, and top **5 customers by spend**; deployed on Render with PostgreSQL backend

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate

## EXTRACURRICULAR

### Taekwondo — Badminton — Cricket

State Level Silver Medalist — District Level Champion — Played and Managed Various Local Events

## ADDITIONAL INFORMATION

**Languages:** English (Fluent), Hindi (Fluent)