


JAYESH RL

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Bangalore Karnataka India

COMPUTER SCIENCE STUDENT | AI & FULL-STACK DEVELOPER

Motivated Computer Science student specializing in Artificial Intelligence and Machine Learning, with hands-on experience in full-stack development, AI applications, and data-driven solutions. Passionate about creating scalable, real-world tech products through innovative AI and web technologies.

STRENGTHS AND EXPERTISE

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|--|--|---|
| Languages: Python, Java, JavaScript, TypeScript, SQL | AI/ML & Data: AI/ML Model Deployment, EDA, REST APIs, SEO Optimization | Web & App Development: React.js, Next.js, Firebase, Spring Boot, Three.js |
| Databases: MySQL, MongoDB, Supabase, Firebase | | |

PROFESSIONAL EXPERIENCE

Humans Care Foundation Lead Software Developer

June 2019 - Present

Spearheaded the design, development, and deployment of the official website for Humans Care Foundation (www.thehcf.org.in) with integrated backend services, secure authentication, and multi-role access control.

Accomplishments:

- Developed a **fully responsive, SEO-optimized** website using **Next.js, TypeScript and Firebase**.
- Implemented a **multi-role based access** control system (Admin, Teacher, Student) with differentiated dashboard views.
- Integrated **multiple authentication methods** including Email/Password and Google Sign-In via Firebase Authentication.
- Deployed** the live website with **SSL security, domain management**, and real-time database operations.
- Achieved over **100+ active users** within the first month of launch.
- Attained an impressive **97 Lighthouse performance score**, ensuring fast load times, mobile responsiveness, and optimized SEO.
- Collaborated with stakeholders to gather requirements, iterate designs, and **deliver a production-ready** platform under strict deadlines.

Tech Stack: Next.js, TypeScript, Firebase (Authentication, Realtime Database, Hosting), SEO Optimization, Lighthouse Auditing

Why Digit System Private Limited Backend intern

January 2025 - February 2025

Worked as a Backend Development Intern, contributing to the design, optimization, and deployment of enterprise backend systems using Java, Spring Boot, and SQL.

Accomplishments:

- Developed and optimized backend** services using Java, focusing on clean architecture and maintainability.
- Implemented **database management solutions**, handled data modeling, and optimized complex SQL queries for performance.

- Integrated **Spring Boot frameworks** to develop **scalable and efficient backend** applications.
- Created and tested **RESTful APIs**, ensuring compliance with **security** and error-handling best practices.
- Collaborated with cross-functional teams to **enhance system performance, scalability, and data integrity**.
- Explored **API security protocols** and **backend optimization techniques** to improve application robustness.

Tech Stack: Java, Spring Boot, SQL, REST APIs, Postman, MySQL

EDUCATION

Dayanand Sagar University

Bachelor of Technology

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Graduating Year: 2027

CGPA: 9.41

PROJECTS

Humans Care Foundation Website

Lead Web Developer | Deployed | June 2025 – July 2025

- Developed and deployed a **fully responsive, SEO-optimized** website using Next.js, TypeScript and Firebase.
- Implemented a **multi-role system** with Google and email authentication.
- Achieved a **97 Lighthouse performance** score and **100+ active users**.

React Portfolio Website

Personal Portfolio | Deployed | Mar 2025

- Built a **personal portfolio** website using React.js, showcasing project highlights, skills, and interactive sections.
- Integrated **smooth animations**, responsive layouts, and deploy-to-live hosting.
- check it out here [link](#)

Static Orrery (NASA Hackathon Project)

Deployed | Oct 2024

- Created an **interactive 3D planetary simulation** using **Three.js** and JavaScript.
- Implemented **Static orbits, animations**, and real-time interaction controls.
- Focused on visual storytelling, performance optimization, and immersive UI/UX.
- check it out here [link](#)

ThreatPeek – AI-Powered Security Scanner

Deployed | ThreatPeek – AI-Powered Security Scanner

- Built a full-stack web app that detects exposed API keys and security flaws in websites.
- **Implemented AI-based threat detection logic with Express.js backend and TypeScript frontend.**
- Deployed on Vercel and Render with integrated CORS, rate limiting, and Helmet middleware.
- check it out here [link](#)

HealthPredict – Multi-Disease Prediction System

AI/ML | June 2025

- Developed an AI-powered platform **predicting risk** for multiple diseases using **specialized ML models**.
- Integrated **FastAPI backend**, **React frontend**, and deployed with MySQL database support.
- Achieved over **95% accuracy** on all models, with Stroke and Heart Disease predictors **crossing 98%**.

Job Portal Backend System

Backend Developer | Jan 2024 – Feb 2024





- Developed a **RESTful job portal** backend application using Java, Spring Boot, and MySQL.
- Implemented **role-based authentication with JWT and OAuth 2.0** for secure access control.
- Built endpoints for job listings, user registration, profile management, and job applications.
- Designed **MVC-based architecture** ensuring modularity and clean code practices.
- Integrated **API security measures, password encryption, and token-based authentication**.

Tech Stack: Java, Spring Boot, MySQL, REST APIs, JWT, OAuth 2.0

CERTIFICATIONS

- Full Stack Development Certification – Simplilearn | 2025
- Web Development Certification – Udemy | 2025
- Python Machine Learning: From Beginner to Pro – Udemy | 2025
- Large Multimodal Model Prompting with Gemini – DeepLearning.AI | 2025
- ChatGPT Prompt Engineering for Developers – DeepLearning.AI | 2025

PROFILES

-  Portfolio: jayeshportfolio-rose.vercel.app
-  GitHub: github.com/aspect022
-  LeetCode: leetcode.com/Jayesh
-  LinkedIn: linkedin.com/in/Jayesh