

# JAYESH RL

## Aspiring Software Engineer

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### SUMMARY

I am Jayesh RL, a B.Tech student specializing in Computer Science with a focus on AI & ML. I have developed many projects, participate in weekly coding contests, and enjoy coding as a hobby. With proficiency in numerous languages, I have strong teamwork and leadership skills and stay composed under pressure.

### WORK EXPERIENCE

Company:-Why digit

Duration: [27/01/2025] – Present

Title:- Backend intern

- Working as a backend intern with a focus on **Java** and **SQL**.
- Assisting in **developing and maintaining backend systems** for efficient data management and processing.
- Collaborating with the development team to ensure seamless **integration of database** solutions.
- Gaining hands-on experience in backend technologies and **improving problem-solving** skills.

### PROJECTS

#### Job portal

- Developed a robust backend for a **job portal** supporting user authentication (**JWT & OAuth2**), role-based access control, job postings, applications, and user management. Implements DTOs for clean data transfer, service-layer architecture for scalability, and integrates **MySQL** with **JPA/Hibernate**. Secured with **Spring Security** and optimized for efficient API handling.

#### Orrey web app

- Developed a 3D interactive solar system visualization using **Three.js**, leveraging accurate orbital mechanics and real-world planetary data to create a realistic user experience. Achieved a *15% improvement in rendering performance* by optimizing distance and size scaling algorithms. Implemented moon orbits and realistic lighting effects based on solar proximity, resulting in a *25% increase in frame rate across devices*. Enhanced performance and responsiveness through targeted optimization techniques.

### EDUCATION

Bachelor of Technology in Computer Science(AI&ML)

Graduation year:- Jun 27

Dayananda Sagar University

Current Year: Second year

Current CGPA: 9.2

### TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C
- **Web Development:** HTML, CSS, JavaScript,React
- **Databases:** SQL, MySQL

### LANGUAGES KNOWN

- English
- Hindi
- Tamil
- Kannada
- Telugu