

# Shivang Rawat

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## Education

### Guru Gobind Singh Indraprastha University

Bachelor of Science in Computer Science

Class 12

C.B.S.E.

2024

Delhi, India

2020

Delhi, India

## Professional Experience

### Aieze Vertex Pvt Ltd.

Software Engineer (Node.js)

October 2024 – Present

Noida, Uttar Pradesh

#### Human Resource Management System (HRMS)

- Engineered a multi-client HRMS platform using Node.js and PostgreSQL, managing employee records across organization while maintaining 99.9% uptime.
- Enhanced attendance tracking with an MQTT-based auto clock-in system, improving accuracy by 25% and reducing HR complaints by 30%.
- Integrated geo-fencing authentication for attendance tracking, preventing 95% of unauthorized check-ins and ensuring compliance with company policies.
- Refined database structure, reducing query execution times by implementing indexing, normalization, and optimized query structures.
- Deployed a multi-tenant architecture, allowing seamless onboarding of new clients by automating the creation of isolated databases per organization.
- Enhanced API security by implementing JWT authentication, and Role-Based Access Control (RBAC) to restrict unauthorized access.

#### Enterprise Resource Planning (ERP)

- Engineered the ERP backend using Node.js, Express.js, and PostgreSQL, ensuring smooth and secure management of finance, HR, inventory, and procurement.
- Reduced database load by 35% by integrating Redis caching, leading to faster real-time data access and processing.
- Introduced lazy loading and pagination, decreasing API response time by 40% while improving data retrieval efficiency for large datasets.
- Enforced transaction management with PostgreSQL, ensuring data consistency across modules
- Used PM2 process manager for efficient production-level management, load balancing, and zero-downtime deployments.

### Bharat Heavy Electricals Limited

Software Developer Trainee (MERN Stack Developer)

August 2023 - September-2023

New Delhi

- \* Advanced MERN stack applications by optimizing performance, improving user engagement, and reducing page load speed by 25%.
- \* Refactored RESTful APIs, reducing response times by 30% while ensuring consistent data synchronization across microservices.
- \* Integrated third-party authentication systems, improving security and reducing login failures by 40%.

## PROJECTS

### E-Commerce Application - Shopee | React.js, Node.js, Express.js, Mongo DB, API Fetching

- \* Developed an e-commerce platform using React.js, Node.js, and MongoDB, enabling real-time product updates and reducing update latency by 30%.
- \* Configured robust back-end functionalities using Node.js and MongoDB for seamless data management, ensuring smooth retrieval and display of relevant product listings based on user search.
- \* Integrated PayPal Braintree API, reducing checkout processing time by 30%, enhancing the customer experience.

### Blog website | Firebase, MongoDB, API Fetching, Tailwind CSS, React.js, Node.js

- \* Created a feature-rich blogging platform with JWT authentication, leading to a 20% increase in user retention.
- \* Integrated Google OAuth, reducing login time by 40% while improving security and user experience.

## TECHNICAL SKILLS

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**Frontend:**HTML, CSS, Javascript, Bootstrap, React.js

**Backend:** Node.js, Express.js

**Database:** MongoDB,SQL, PostgreSql, Redis

**Programming Languages:** JavaScript

**Software Tools:** Vs Code

**Version Control:** Git

**DevOps/CI-CD:** Jenkins, GitHub Actions, CI/CD Pipelines

**Cloud:** Amazon Web Service ( A.W.S )

## Certifications

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**The Complete 2024 Web Development Bootcamp::**HTML, CSS, Javascript, Bootstrap, React.js

**AWS Cloud Technical Essentials:** Coursera 2023

**Java Data Structures and Algorithms:** UDEMY 2024