

# Shejal Bhosale

Associate Software Developer

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## PROFESSIONAL SUMMARY

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Associate Software Engineer with experience developing backend systems using Node.js and NestJS. Experienced in creating RESTful APIs, designing relational databases with MySQL and Prisma ORM, and implementing JWT authentication with role-based access control. Writes modular and maintainable code focused on performance and security.

## EDUCATION

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Bachelor of Engineering - Computer Engineering,

Savitribai Phule Pune University , Pune, India

January 2021 - June 2024

CGPA : 8.81

## INTERNSHIP

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Associate Software Developer

Tudip Technologies,Pune, Maharashtra, India

August 2024 - April 2025

- Developed and maintained 15+ RESTful APIs using Node.js, NestJS, and MySQL, improving data processing efficiency.
- Implemented secure endpoints processing 50+ daily requests with seamless CRUD operations.
- Reduced bug occurrences by 25% through modular design and structured error handling.
- Supported 99.9% API uptime through scalable design and enhanced security protocols.

## PROJECTS

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### EventHub Backend :

- Developed a scalable Event Management backend serving 200+ users, supporting modules like event creation, booking, reviews, favorites, and attendee check-in with real-time updates.
- Secured 30+ REST API endpoints using JWT authentication and role-based access control (RBAC), reducing unauthorized access by 95% and ensuring data integrity.
- Designed and optimized relational database schemas using Prisma ORM, improving query performance by 35% through indexing and efficient relations.
- Built modular services for booking, image upload, and attendee management, reducing development time by 40% while improving code reusability and maintainability.
- Integrated Swagger for API documentation and testing, cutting developer onboarding time by 50% and accelerating third-party integration and collaboration.

- Enhanced system maintainability with clean code structure and modular design, reducing future feature integration time by 35% for modules like event reminders and booking analytics.

#### **Employee Management and Churn Prediction System :**

- Developed a backend system to manage 500+ employee records with modules for attendance, performance tracking, leave logs, and user access control, supporting organizational workflows.
- Implemented granular RBAC with JWT for Admins, Managers, and Employees, improving data security by 90% and ensuring strict role-based data access.
- Engineered a churn prediction module using employee behavior data, accurately identifying high-risk employees with over 80% accuracy to support retention efforts.
- Streamlined database interactions with Prisma ORM and optimized MySQL queries, increasing data retrieval speed by 30% and reducing server load.
- Created 20+ modular and reusable REST APIs following scalable backend architecture principles, enabling easy maintenance and future expansion.
- Added audit logs and activity tracking for admin monitoring, increasing data visibility by 60% and enhancing operational oversight for compliance purposes.

#### **CERTIFICATES/ACHIEVEMENTS**

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- Oracle Cloud Infrastructure (2024)
- PBTechDream-Java J2EE (2023)
- Oasis Infobyte-Java Development (2023)

#### **TECHNICAL SKILLS**

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- **Languages & Frameworks:** Java, JavaScript, Node.js, NestJS, ExpressJS
- **Frontend:** HTML5, CSS3, JavaScript
- **Databases:** MySQL, Oracle
- **Tools:** Postman, Swagger, GitHub, Prisma
- **Other:** JWT Authentication, REST API Development