

# Tushar Rath

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## Career Objective

Aspiring **Full Stack Developer** specializing in **MERN stack**, with a strong preference for **backend development** using **Node.js, NestJS, and Express.js**. Actively seeking opportunities to build scalable and robust applications.

## Technologies

- **Languages:** Java, Javascript (**JS**), Typescript (**TS**)
- **Backend:** NodeJs, NestJs, ExpressJs
- **Frontend:** NextJs, ReactJs, Tanstack Query, React Hook Form, Shadcn/ui, Tailwind CSS
- **Cloud:** RDS, EC2, ECS, ECR, S3 Bucket
- **Tools:** Docker, Postman, Insomnia, VS Code, GitHub, Git, Render, Vercel

## Education

- Chandigarh University, Mohali**, Bachelors in Computer Science and Engineering August 2020 – June 2024
- CGPA: 8.04
- Shiwalik Public School, Rupnagar**, 12th (**Non-Medical**) April 2019 – March 2020
- Percentage: 76.6

## Experience

- Trainee Software Developer**, Shaurya Software, CHD August 2024 – January 2025
- **Customer Relationship Management (CRM) Development:**
    - Designed schemas for CRM, including document configuration, lead stage/substage, lead history, and communication templates for SMS, WhatsApp, and email.
    - Implemented a Kanban board to visualize lead stages, enabling lead score configuration and automated calculation during stage transitions.
    - Participated in integrating WhatsApp APIs for streamlined communication.
  - **Library Module Development:**
    - Designed schemas and implemented 5 out of 7 submodules in the Library system.
    - Developed and integrated APIs, managed React.js state, and refactored frontend code for smooth module integration.
    - Built reusable components for file uploads and implemented S3 bucket integration for storage.
  - **Backend Development Enhancements:**
    - Contributed to global backend services, including error and response handlers, file interceptors, and Sequelize ORM setup.
    - Created stored procedures, views, and materialized views for Library submodules to optimize database performance.

**Technologies:** React.js, RTK Query, TypeScript, Sequelize ORM, PostgreSQL, S3 Bucket

## Publications

- Food Mato: A New Way to Use Technology in the Food Industry** June 2023
- Tushar Rath*, Jay Prakash Jha, Dr. Raman Chaddha
- [2278-0181/IJERTV12IS060046](#)

## Projects

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### RAWG [LINK](#)

- Developed a video game library project that allows users to explore video games of different genres.
- **Technologies:** React.js 18, TypeScript, Tailwind Css, Chakra UI

### REFERRAL NEXUS [LINK](#)

- Built a web application for managing referrals, storing referrer and referee details in a MySQL database.
- Integrated EmailJS to automatically send email notifications to referred individuals, enhancing communication and user engagement.
- **Technologies:** React.js 18, TypeScript, Tailwind Css, NodeJs, MySql (Railway), EmailJS

## Internship

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**NodeJs Intern,** Smart iTVentures, Rupnagar

June 2022 – August 2022

- **RBAAC System:**

- Built a Role-Based Access and Authentication Control (RBAAC) system using Node.js, MySQL, and Sequelize ORM for secure, user-specific route access.
- Implemented email authentication and password recovery workflows (forgot password) to improve account security.
- Used phpMyAdmin for database management and Bootstrap for creating responsive user interfaces.
- Designed database schema and optimized queries for better performance and scalability.

**Technologies:** NodeJs, MySQL, JavaScript, Sequelize ORM, EJS, NodeMailer