

Ayush Shrestha

Software Developer

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SUMMARY

Passionate about web development with a focus on backend technologies, I am skilled in HTML, CSS, JavaScript, Node.js, Express.js, and NestJS. As an active member of the AWS Cloud Club and Rotaract Banepa, I engage in collaborative projects and community initiatives, striving to build scalable applications and contribute to the tech industry.

SKILLS

- node.js
- nest.js
- postgres
- typescript
- Docker
- express.js
- HTML,CSS,Javascript
- mySql
- git and github

PROJECTS

GymTracker-Express.js based web application

<https://github.com/AishShrestha/Gym-tracker->

Developed the backend for a Gym Tracker web application to monitor fitness journeys. Utilized Express.js, Prisma ORM, PostgreSQL, JWT for authentication, and NodeMailer for 2FA verification.

Book Review System- Nest.js based web application

<https://github.com/AishShrestha/book-review>

Developed a Book Review System using NestJS with features like user authentication, role-based access control, and secure login using JWT, Google, and Facebook OAuth. Integrated TypeORM with PostgreSQL for database management, and added Swagger for comprehensive API documentation. Implemented efficient CRUD operations adhering to RESTful standards and containerized the application using Docker for easier deployment and scalability.

EXPERIENCE

Internship -Remote

Abroad Institute |June 2024 - August

- Database Design: Designed efficient database using tool like eraser.io.
- Project Setup:Set up express project using prisma ORM with postgres as database and set up nest project using type ORM with postgres as database.
- **API Development** : Developed APIs with a focus on CRUD operations with try catch for error handling.
- Optimal File Structuring: Created different folders for controllers,middlewares,utils,routes for better file structuring and cleaner code.
- Environment Variables: Utilized environment variables for managing sensitive configurations.
- **Authorization & Authentication**:Implemented authentication and authorization using JWT token and role based authorization.
- Password Hashing: Ensured user data security by using bcrpyt for password hashing
- **Two-Factor Authentication**: Enhanced application security by integrating 2FA using NodeMailer, providing an additional layer of user verification.
- Image Storage: Developed custom functions for storing and managing uploaded images efficiently.
- Cookies Management: Used cookies for jwt token management.
- **Caching with Redis**: Implemented Redis for caching to enhance application performance and reduce database load.
- API Documentation: Utilized Swagger for comprehensive API documentation.
- Developed Apis in next.js project.
- Seeding: Populated database with predefined data which might not have the need to be modify in future.

EDUCATION

Bachelor's in Computer Science & Information Tech

NIST College | 2022-2025

Higher Secondary Level Education

Khwopa Higher Secondary School |2020-2021 | Science
| 3.43

Secondary Level Education

Pragati Prabhat Academy | - 2020 | 3.85

EXTRACURRICULAR ACTIVITIES

College Representative of Nist College

AWS Cloud Club

General member

Rotaract Club of Banepa