Pankaj Roy

Dhaka, Bangladesh | +8801737890284 | amipankaj231@gmail.com | www.linkedin.com/in/pankaj-roy705/

About Me

I am a passionate backend developer who builds clean, standalone RESTful APIs using Node.js (Express and Nest JS). I recently designed and implemented a full restaurant management system—letting anyone browse the menu without logging in, while securing order creation, viewing, updates, and cancellations behind JWT and Gmail OTP authentication. In addition to Node.js, I am comfortable working with PHP and relational databases like MySQL, Oracle 10g and Postgres having built admin panels and a railway reservation system with direct database calls. I have also created and tested separate Node.js APIs that are ready to be faced into front-end. I am eager to bring these skills to real-world projects and continue growing as a backend engineer.

Skills and Tools

- **Backend**: Node.js (Express, Nest.js), PHP, REST/API.
- **Frontend**: Next.js, Daisy UI.
- **Databases**: MySQL, Oracle 10g, PostgreSQL.
- **Dev Tools**: Git, Postman, VS Code.
- **Other**: Machine Learning, Data Structures & Algorithms.

Projects

Restaurant Management System
- ➤ Architected a Nest JS-based RESTful API with PostgreSQL, exposing public menu-browsing endpoints and secured CRUD endpoints for order creation, viewing, modification, and cancellation.
- ➤ Integrated JWT authentication and Stripe payment gateway, leveraging NestJS Auth Guards to enforce secure user access and ensure only authenticated users can place and manage orders.

GitHub Link: https://github.com/Pankaj231123/ResturentMangaementBackend-UserSite-

Todo CLI Application
- ➤ Designed and developed a CLI-based task management application using Node.js and Yargs, enabling efficient creation, update, and persistent storage of to-do items in a JSON file.
- ➤ Implemented comprehensive features including task prioritization, status management, and keyword search, enhancing user experience and task organization.

GitHub Link: https://github.com/Pankaj231123/TODO-Using-CLI-Node.js

Railway Reservation System
- ➤ Designed and developed a exposing REST-style CRUD endpoints to book, view, modify using PHP and **Oracle 10g** for secure ticket management.
- ➤ Implemented a login/logout authentication system, improving data security and user access control.

GitHub Link: https://github.com/Pankaj231123/MetroRail

Admin Panel Development
- ➤ Built an admin panel with add, update, and delete functionalities using PHP and MySQL.
- ➤ Optimized database queries, reducing data retrieval time.

GitHub Link: https://github.com/Pankaj231123/WebTech-Project-Admin/tree/main/AdminPanel

Education

Bachelor of Science in Computer Science & Engineering, American International University-Bangladesh (AIUB) | CGPA: 3.12 (Continuing) | January 2022 – September 2025 (Expected Graduation)

Technical Achievements

Competitive Programming: Regularly participates in coding contests, improving problem-solving and algorithmic thinking.