PALLAB NANDI

SOFTWARE DEVELOPER

SUMMARY

Hi, I am Pallab, a math enthusiast and software developer. Skilled in NodeJS | Data Structures | Algorithms | Problem Solving | ExpressJS | Javascript | MongoDB | MySQL | NoSQL | sequelize | mongoose | JWT | bcrypt | Git | Github | REST APIs

LANGUAGES

- English
- Hindi
- Bengali

SKILLS

NodeJS expressJS Algorithms Data Structures Problem Solving Mathematics Javascript MySQL NoSQL Git GitHub MongoDB REST APIs OOPs JWT Sequelize Mongoose JSON HTML CSS

CERTIFICATES

JAVASCRIPT ALGORITHMS AND DATA STRUCTURES
freecodecamp (March 2023)

ALGORITHMS AND DATA STRUCTURES
Udemy (January 2023)

NODEJS API MASTERCLASS WITH EXPRESSJS
Udemy (January 2023)

GIT AND GITHUB MASTERCLASS
TutorialsPoint (December 2022)

EXCEL FOR INTERMEDIATE LEVEL
Great Learning (September 2022)

FIELD TECHNICIAN - COMPUTING AND PERIPHERALS
ESSCI (January 2019)

DIPLOMA IN FINANCIAL ACCOUNTING SYSTEM
Youth Computer Training Centre (January 2020)

DIPLOMA IN INFORMATION TECHNOLOGY APP
Youth Computer Training Centre (August 2018)

INTERESTS

CHESS READING BOOKS PUZZLE SOLVING

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in https://www.linkedin.com/in/pallabnandi/
🐙 https://github.com/pallab-nandi
⟨⟩ https://leetcode.com/pallab-nandi/
📍 Alipurduar, West Bengal, India

EDUCATION

University of North Bengal (2017 - 2020)

Honours in Mathematics
Grade - First Class
Institue - Alipurduar College
Alipurduar, West Bengal, India

Mc. William Higher Secondary School (2015 - 2017)

Applied Science
Score - 85%
WBCHSE
Alipurduar, West Bengal, India

WORK EXPERIENCE

Private Tutor (2019 - present)

As a Private Tutor, I provided one-on-one tutoring to students of various ages and skill levels. My key responsibilty and achievement included :
- Developing personalized lesson plans to meet the individual needs of each student
- Regularly assessing student progress and providing feedback to help them stay on track

Math Subject Expert (freelancer) Photomath (Sep 2020 - Dec 2022)

PhotoMath: A platform that transforms math learning by providing instant and accurate solutions to math problems using a smartphone camera. My key responsibilty and achievement included :
- Created high-quality mathematical content for various topics and levels of difficulty, covering algebra, geometry, calculus and more
- Ensured the accuracy and consistency of the solutions and the content, using various tools and resources to verify the results.

PROJECTS

E-COMMERCE BACKEND APPLICATION

Github Link : https://github.com/pallab-nandi/ecommerce-be-app
Deploy Link : https://pallabnandi-ecommerce-app.cyclic.app

Backend E-commerce Application: A robust and scalable application that provides online shopping services for various products and categories.
- Used Node.js, Express.js, MySQL and Sequelize to develop the backend logic and database models.
- Implemented product, category, cart and user CRUD operations with RESTful APIs.
- Secured the endpoints with JWT and bcrypt for authentication and authorization.
- Tested the functionality and performance of the application with Postman.

AIR INDIA CLONE BACKEND APPLICATION

Github Link : https://github.com/pallab-nandi/air-india-clone
Deploy Link : https://pallabnandi-airindia-app.cyclic.app

Air India Clone: A clone of the Air India website that allows users to book flights, check flight status, manage bookings and view and add reviews.
- Used Node.js, Express.js, Mongoose and MongoDB to develop the backend logic and database models.
- Implemented flight, booking, review, user and offer CRUD operations with RESTful APIs.
- Secured the endpoints with JWT and bcrypt for authentication and authorization.
- Tested the functionality and performance of the application with Postman.

MOVIE BOOKING BACKEND APPLICATION

Github Link : https://github.com/pallab-nandi/movie-booking-app
Deploy Link : https://pallabnandi-moviebooking-app.up.railway.app

Movie Booking Application: A user-friendly application that enables users to browse, search and book movie tickets online.
- Developed the backend logic and database models using Node.js, Express.js, Mongoose and MongoDB.
- Created RESTful APIs for movie, theater, ticket and user CRUD operations.
- Applied JWT and bcrypt for authentication and authorization of the endpoints.
- Utilized nodemailer to send confirmation and cancellation emails to the users.