

Pallab Bag

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Contact

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Professional Summary

MERN stack enthusiast with a strong passion for backend development, skilled in building efficient and scalable server-side applications through hands-on projects and continuous learning.

Work Experience

Codeunia | July 16, 2025 , - August 16, 2025

Innovate Tech Company

- Gained practical experience in full-stack web development, including real-time communication, scalable backend design, and collaborative workflow systems.
- Developed, a MERN stack project enabling team management, task tracking, and real-time chat using Socket.io.
- Strengthened skills in Node.js, Express.js, MongoDB, and React, along with project planning, problem-solving, and team collaboration.

Projects

CollabDesk – Real-Time Team Collaboration App

- Developed a real-time collaboration platform with team management, task tracking, and chat features.
- Implemented role-based access control, live updates, and chat functionality using Socket.io with a scalable MERN stack architecture.
- Designed a scalable backend architecture that enhanced efficiency and team coordination in remote environments.

QuizzBuddy – Real-Time Quiz App

- Developed an interactive platform enabling users to host, attend, and create AI-assisted quizzes with real-time participation and analytics.
- Integrated OpenAI API to assist in quiz creation and automated answer evaluation, combined with Socket.io for live hosting and a scalable MERN backend.
- Delivered an AI-powered quiz system that enhanced efficiency, improved evaluation accuracy, and user engagement.

Skills

- **Technical** : React , Node js , MongoDB , JavaScript , Java , SQL , RESTful APIs
- **Tool** : Git , GitHub , AWS , Postman

Academic History

MCKVIE INSTITUE OF ENGINEERING | 2023-2027 (pursuing)

Computer science and Engineering

- Relevant course work : Data structure and algorithm , c

Singur Maha Maya High School (High secoundary) | 2021 -2022

- Stream - Science

Certifications & Training

IBM SkillsBuild Project-Based Learning Program

- Gained hands-on experience in AI agent architecture, problem-solving, and project-based learning.

Scholastic Achievements

Smart India Hackathon | 2025

- Participated in national-level innovation hackathon.

Scholarship for National Means-Cum Scholarship | 2018

- Awarded National Means-Cum Merit Scholarship (2018) for academic excellence.

Frontend Battle | June 21, 2025

- Organized by the Design Society, IIT Bhubaneswar