

Ishani Mandal

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SUMMARY

A highly motivated and detail-oriented software developer with a strong foundation in **Node.js**, **Express.js**, and **MongoDB**. Passionate about building scalable, secure, and maintainable **server-side applications** following industry-standard practices. Experienced in designing **RESTful APIs**, implementing authentication and authorization using **JWT**, and managing databases using **Mongoose**. Eager to contribute to real-world backend systems, learn from collaborative development environments, and grow as a Software Development Engineer.

EDUCATION

Utkal University

Bachelor of Science in Information Technology Management

Bhubaneswar, Odisha

Aug. 2021 – May 2024

EXPERIENCE

Apprentice Finance

Target Corporation

Feb. 2025 – Present

Bengaluru, Karnataka

- Single handedly designed and developed a task management service from scratch
- Designed and implemented a **RESTful API** using **Express.js** to manage users and their tasks
- Integrated **MongoDB** with **Mongoose** for schema definition, efficient CRUD operations, and established relationships using **populate** and virtual fields
- Implemented secure authentication using **JSON Web Tokens (JWT)** and **bcrypt** for password hashing
- Implemented role-based access control (RBAC) to differentiate permissions for admin, manager, and user roles
- Built task lifecycle logic including status updates, deadlines, priority tags, and user assignments
- Used Express middleware for global error handling and logging with **winston**
- Configured environment-based settings using **dotenv** for development and production environments

Full Stack Developer

Versatile IT Services Pvt Ltd.

Mar. 2024 — Nov. 2024

Bhubaneswar, Odisha

- Designed and implemented responsive user interfaces using HTML, CSS, JavaScript, and Bootstrap
- Built dynamic server-side applications using PHP for efficient backend logic and processing
- Designed and maintained relational databases using MySQL to ensure optimized data storage and retrieval
- Established seamless communication between client-side and server-side components for a smooth user experience
- Collaborated with stakeholders to gather requirements, define project goals, and align deliverables with user needs

PROJECTS

Portfolio Website ([View Online](#))

- Developed a personal portfolio website using HTML, CSS, and Material UI (MUI)
- Implemented responsive layouts and interactive components using MUI's grid system, cards, and theme customization
- Deployed the website on GitHub Pages, enabling free and fast hosting with version control

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C++

Frameworks: Node.js, Express.js

Cloud: Google Cloud Platform (App Engine)

Databases: MongoDB, PostgreSQL, MySQL

Programming Paradigms: Object-Oriented Programming, Procedural Programming

ORM: Mongoose