

Mukund Mangla

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[LinkedIn](#) • [Github](#) • [Leetcode](#) • [Personal Portfolio](#)

PROFESSIONAL SUMMARY

Full-Stack MERN Developer specializing in scalable web applications with proven problem-solving abilities. Built end-to-end solutions using MongoDB, Express.js, React.js, and Node.js, delivering optimized APIs and responsive interfaces. Solved 225+ DSA problems on LeetCode, applying algorithmic thinking to performance optimization and system architecture decisions.

EDUCATION

Bachelor of Technology (Artificial intelligence)	2024 - 2028
Newton School of Technology, Rishihood University	Grade: 6.8/10.0
Intermediate (Class XII)	2022 - 2023
Tagore Public School	Grade: 76.0%
Matriculation (Class X)	2020 - 2021
Tagore Public School	Grade: 80.0%

PROJECTS

Balancio (Github) (Demo)	December 2025
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- Tech Stack:** React 19, Node.js, Express.js, MongoDB, Mongoose ORM, JWT, Socket.io, Vanilla CSS
- Description:** Collaborative fintech platform for managing shared expenses and simplified debt settlements, designed to streamline financial interactions within social groups through real-time synchronization and intuitive visualization.
- Features:** Real-time expense synchronization via Socket.io ensuring instant balance updates across all connected clients, smart debt simplification algorithm reducing transaction complexity by minimizing required payments, interactive Bento Grid dashboard with dynamic spending visualization, simplified split logic supporting equal and custom distribution, secure dual-layer JWT authentication with persistent sessions, Zustand for optimized state management reducing re-renders and strictly typed with TypeScript, fully responsive mobile-first custom CSS design (320px–1920px) achieving 95 lighthouse performance score, comprehensive activity feed for transparent audit logging of all financial actions, 'Nudge' notification system for settlement reminders, and robust schema validation using Zod for ensuring data integrity across financial transactions.

Ops-Pilot (Github) (Demo)	November 2025
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- Tech Stack:** React 19, Node.js, Express.js, MongoDB, Mongoose ORM, JWT, Tailwind CSS
- Description:** Enterprise internal operations platform for managing approval workflows and structured request handling with SLA-based tracking, immutable audit logging, and role-based access control.
- Features:** Multi-stage approval workflows with strict assignee enforcement, dynamic request templates with schema validation, SLA-driven overdue detection via cron-based monitoring, immutable audit logs for traceability, dual-layer JWT authentication with role-based authorization, TanStack Query caching reducing redundant API calls by ~65%, Zustand-powered state persistence with session recovery, rate-limited request creation, mobile-responsive Tailwind UI (320px–1920px), operational analytics dashboard derived from audit logs, and a scalable roadmap including escalation automation and WebSocket notifications.

Notora (Github) (Demo)	May 2025
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- Tech Stack:** React.js, JavaScript, HTML, CSS, Clerk Authentication
- Description:** Modern note-taking web application focused on secure authentication, structured organization, and a distraction-free writing experience.
- Features:** Secure user authentication using Clerk, note creation and editing with notebook-based organization, privacy-focused note locking for sensitive content, minimal and responsive UI for efficient note management across devices, and a scalable architecture planned to support file attachments and real-time collaboration features.

SKILLS

Computer Languages: SQL, Python, JavaScript, CSS, HTML, NoSQL, TypeScript

Software Packages: MongoDB, MySQL, Express JS, Node.js, React, Prisma ORM, Tailwind CSS, Tailwind, Chart.js, Figma, Pandas

Additional Courses: Data Structure

Soft Skills: Communication Skills, People skills, Openness, Critical Thinking, Teamwork, Creativity, Decision-making, Team Building, Leadership, Written communication, Interpersonal communication

Others: Three.js, GitHub Actions, API testing, OpenAI API, Problem-Solving, Product Management, Postman, Git and Github