

SUBRATA MONDAL

MERN Stack Developer

✉️ subratamondal@tutanota.com ☎️ +91-9832674420 🌐 subratamondal.vercel.app

👤 subratamondal1029 💬 subratamondal1029

SKILLS

Languages

JavaScript, TypeScript

Frontend

HTML, CSS, React.js, Tailwind CSS

Backend

Node.js, Express.js, MongoDB, Redis

Platforms & Tools

Linux, Git, Docker, AWS

EXPERIENCE

Web Developer — Freelance

Arabinda kajli ✉️

Developed a production-level **personal website** using **React, TypeScript, and Tailwind CSS** with **Deployment**. Created a custom **admin panel** that can be used for content management. Implemented **Quill rich text editor** along with an **Appwrite backend** service that provides facilities of **authentication, database, and file storage**. Implemented **Redux** for handling overall application states.

PROJECTS

TechKart – Full-Stack E-Commerce Platform ✉️

MERN | Tailwind | Razorpay | Redis | Docker | Nginx | AWS

Built a scalable **multi-role e-commerce** application covering **sellers, users, delivery agents, and admins**. Designed secure **REST APIs** with **JWT + refresh tokens** and **role-based access control**. Integrated **Razorpay, Google OAuth, Redis-based token handling, and password recovery flows**. Implemented **cron jobs, rate limiting, invoice PDF generation, caching, and Swagger docs**. Developed a **Redux**- powered React frontend with **pagination, infinite scroll, optimistic UI updates, and QR scanning**. Deployed using **Docker Compose** and **Nginx** with production-ready **AWS** setup.

Resume Analyzer – AI-Based Resume Screening System ✉️

Node.js | Express | Docker | Tesseract OCR | Gemini AI

Implemented an **automatic resume reviewer system** to match applicants on a given job posting based on structured inputs. Supports scanned PDFs through a **Dockerized Tesseract OCR**, configure **Gemini AI** with **system instruction** for **JSON output**, including **confidence level, evidence, and reasoning**. In **realtime** process update using **SSE**. Design for **ATS integration**.

PlayTube – Scalable Video Platform Backend ✉️

Node.js | Express | MongoDB | Cloudinary | JWT | Swagger

Developed a **modular backend** infrastructure for handling **videos, posts, comments, likes, subscriptions, and playlists**. Implemented **authentication, authorization**, with **JWT**. Handled file uploads with **Multer** and **Cloudinary**. Applied clean architecture with properly documented APIs.

EDUCATION

BCA – Bachelor of Computer Applications
Shoolini University
(Expected)

08/2025 – 08/2028 | Online