

# SUBRATA MONDAL

MERN Stack Developer

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## SKILLS

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### Languages

JavaScript, TypeScript

### Frontend

Html, Css, React.js, Tailwind CSS

### Backend

Node.js, Express.js, MongoDB, Redis

### Platforms & Tools

Linux, Git, Docker, AWS

## EXPERIENCE

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### Web Developer — Freelance

10/2025 – 11/2025 | Remote

#### 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

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### 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

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### BCA – Bachelor of Computer Applications

08/2025 – 08/2028 | Online

Shoolini University

(Expected)