

## Online Crime Reporting System

An end-to-end MERN stack application for securely reporting and managing crime incidents online. This project includes a React frontend and an Express/MongoDB backend, along with JWT authentication, email/SMS notifications, charting, and mapping features.

---

### Project Structure:

```
Online Crime Reporting/
├── client/                # React frontend
│   ├── public/
│   ├── src/
│   ├── node_modules/
│   ├── .gitignore
│   ├── package.json
│   └── README.md
├── server/                # Node.js + Express backend
│   ├── config/
│   ├── controllers/
│   ├── middleware/
│   ├── models/
│   ├── routes/
│   ├── utils/
│   ├── node_modules/
│   ├── .env
│   ├── .gitignore
│   ├── package.json
│   ├── app.js
│   └── server.js
└── OCR-Postman-Collection.json
```

### Prerequisites

- Node.js installed
- MongoDB instance (local or MongoDB Atlas)
- Git
- Postman (optional for API testing)

### Installation & Setup

Follow the steps below to run the project on your local machine:

#### Step 1: Setup and Install Backend

```
cd server
npm install
```

This will install:

- express
- mongoose
- dotenv

- jsonwebtoken
- bcryptjs
- cors
- nodemailer
- socket.io
- twilio
- nodemon (dev)

Start Backend Server:

```
npm run dev
```

Setup and Install Frontend:

```
cd ../client
```

```
npm install
```

This will install:

- react
- react-dom
- react-router-dom
- axios
- bootstrap
- chart.js
- react-chartjs-2
- react-icons
- react-leaflet
- leaflet
- lucide-react
- recharts
- shadcn-ui
- react-countup
- jwt-decode
- @react-oauth/google
- web-vitals