

iNotebook

iNotebook is a secure and intuitive cloud-based application designed to help you capture your ideas and notes effortlessly. With a clean, modern interface and robust user authentication, all your notes are private, secure, and accessible from any device.

Features

-  **Secure User Authentication**
Signup & login using JWT (JSON Web Tokens) with hashed passwords.
 -  **Cloud-Based Notes**
Notes are stored securely in MongoDB, linked to each user.
 -  **Full CRUD Functionality**
Easily **Create**, **Read**, **Update**, and **Delete** your notes.
 -  **Modern & Responsive UI**
Built with React for a smooth experience across all screen sizes.
 -  **Interactive Notifications**
Toast notifications for login, logout, adding/deleting notes, etc.
 -  **Consistent Theming**
Light purple & green theme across the entire app.
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Getting Started

Backend Setup (Flask)

1. Create and activate a virtual environment:

```
python -m venv venv
source venv/bin/activate      # On macOS/Linux
venv\Scripts\activate         # On Windows
```

2. Install dependencies:

```
pip install -r requirements.txt
```

3. Create a .env file inside the backend/ folder and add your environment variables::

```
DB_URI=
MONGO_DB=
JWT_SECRET=
```

4. Start the Flask backend:

```
flask run --port=5000
```

The backend will be available at <http://localhost:5000>.

💻 Frontend Setup (React)

1. Move into the frontend folder:

```
cd frontend
```

2. Install dependencies:

```
npm install
```

3. Start the React app:

```
npm run start
```

The frontend will be available at <http://localhost:3000>.

📄 API Endpoints

Method	Endpoint	Description
POST	/api/auth/createuser	Register a new user
POST	/api/auth/login	Log in an existing user
POST	/api/auth/getuser	Get details of the logged-in user
GET	/api/notes/fetchallnotes	Fetch all notes for the user
POST	/api/notes/addnote	Add a new note
PUT	/api/notes/updatenote/:id	Update an existing note
DELETE	/api/notes/deletenote/:id	Delete a note

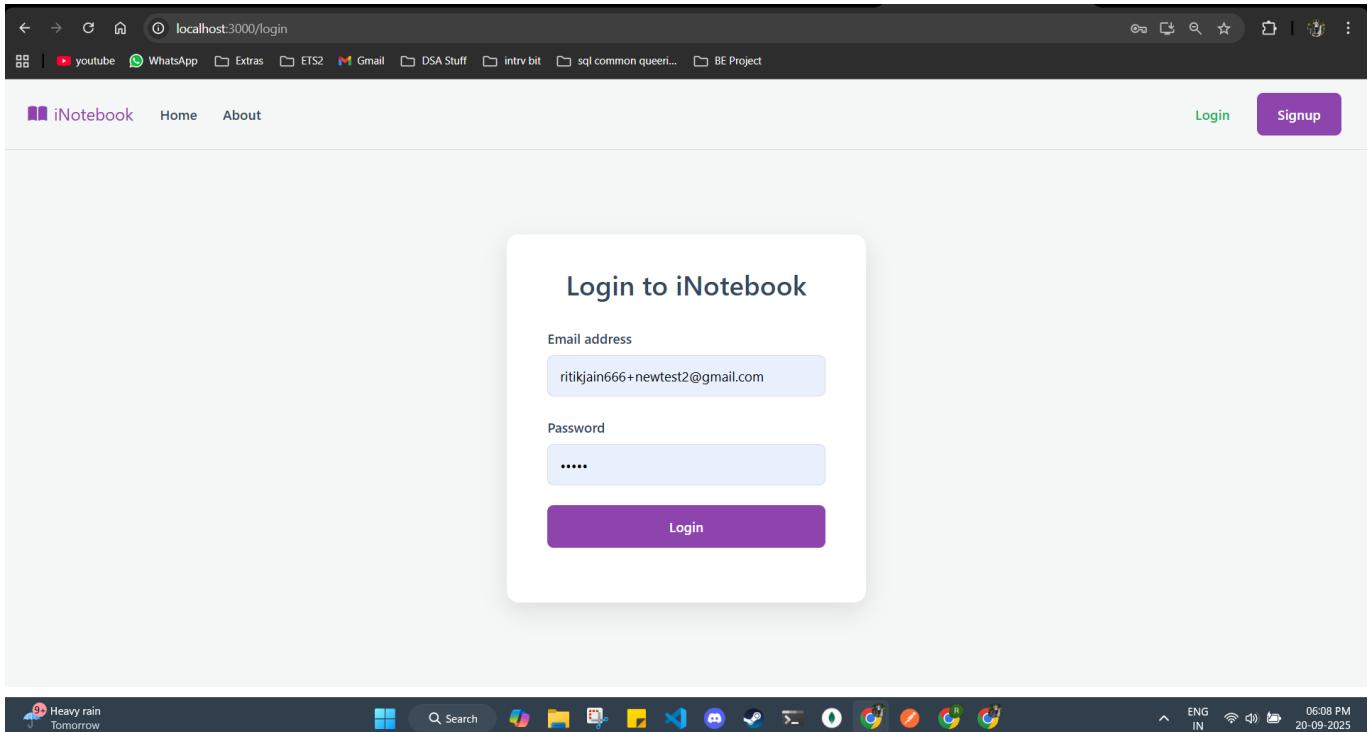
⚙️ Tech Stack

- **Backend:** Flask, MongoEngine, JWT

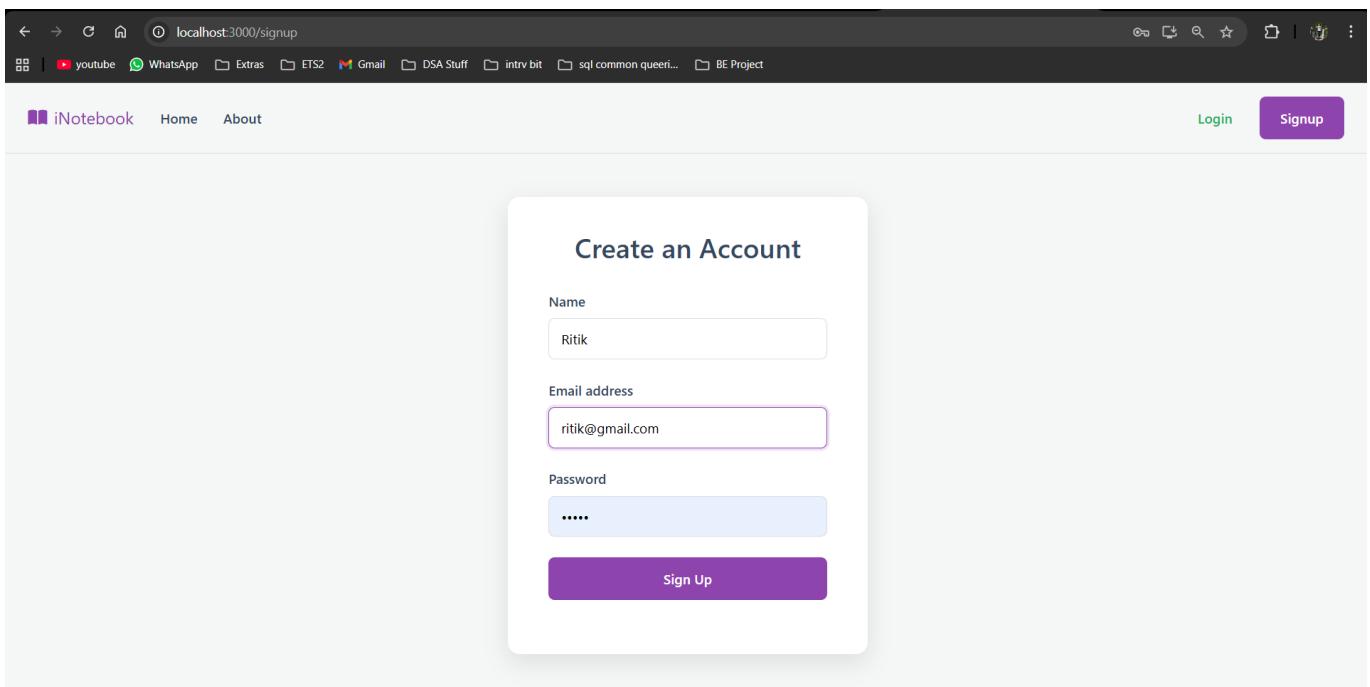
- **Database:** MongoDB
- **Frontend:** React.js, Context API

📸 Screenshots

🔑 Login



✉️ Signup



📝 Notes List

The screenshot shows the iNotebook application running on localhost:3000. At the top, there's a navigation bar with links to youtube, WhatsApp, Extras, ETS2, Gmail, DSA Stuff, intrv bit, sql common queer..., and BE Project. Below the navigation bar, the main content area displays a welcome message "Welcome, Ritik! 🙌". A header "Your Notes" is followed by a list of six notes:

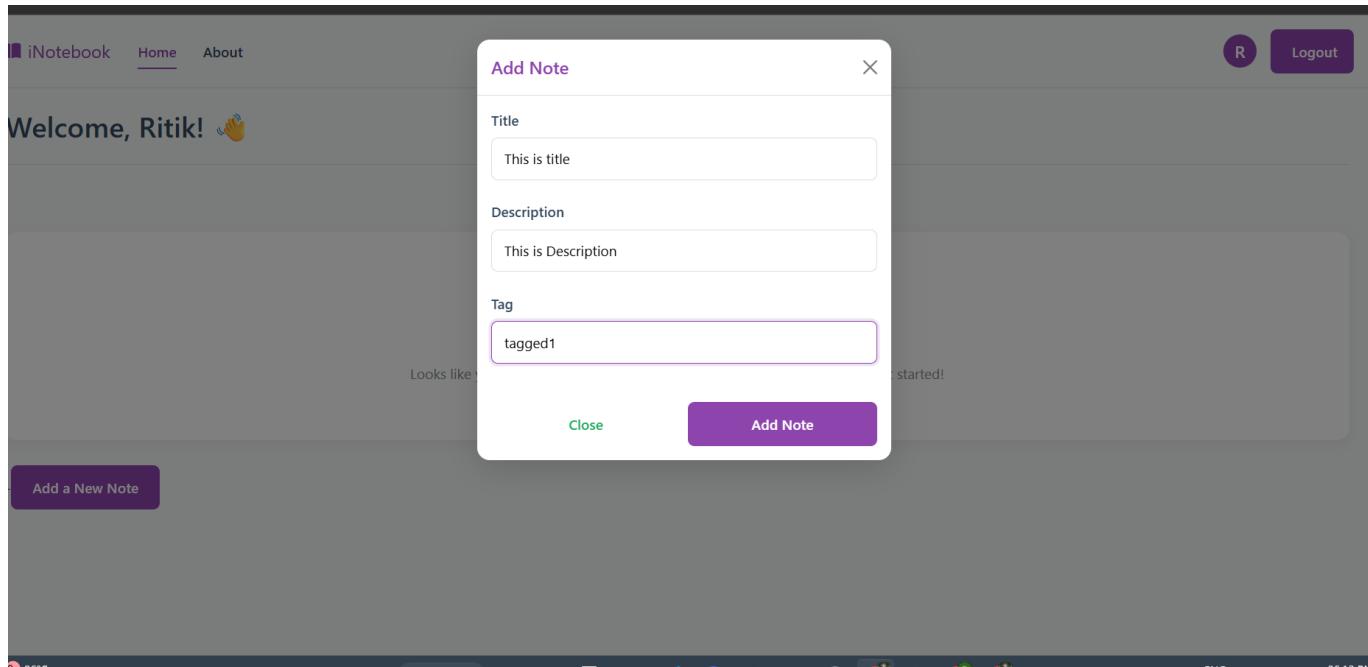
- This is title
This is Description
- note2
desc2
- Note3
Desc3
- Note-4
Desc4
- Note 5
desc5
- note 6
Desc 6

Each note card has three icons: a trash can, a pencil, and a magnifying glass. Below the notes is a purple button labeled "Add a New Note". In the top right corner of the main content area, there's a green notification box with a checkmark and the text "Note added successfully!".

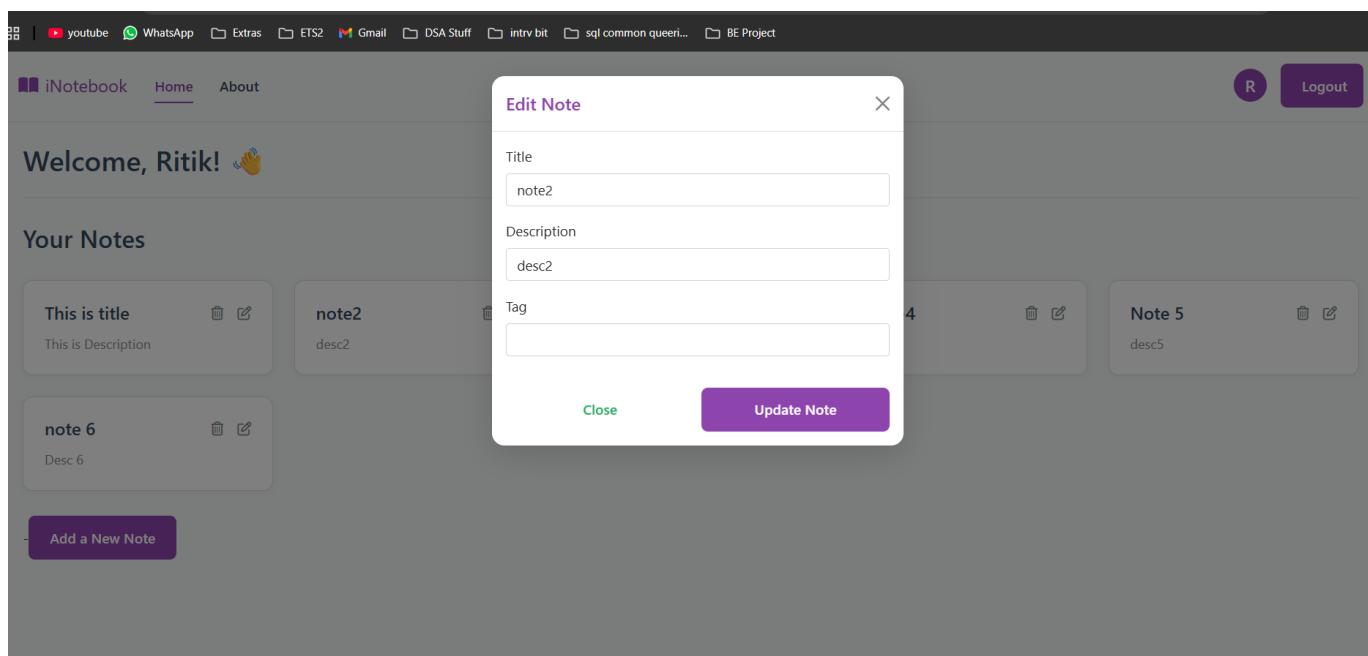
⌚ Empty Notes State

The screenshot shows the iNotebook application running on localhost:3000. The interface is similar to the previous one, with the same navigation bar and welcome message. However, the main content area now displays a "No Notes Found" message with a purple book icon. It says "Looks like you haven't added any notes yet. Click on 'Add a New Note' to get started!". Below this message is the "Add a New Note" button. In the top right corner, there is a user profile icon with the letter "R" and a "Logout" button.

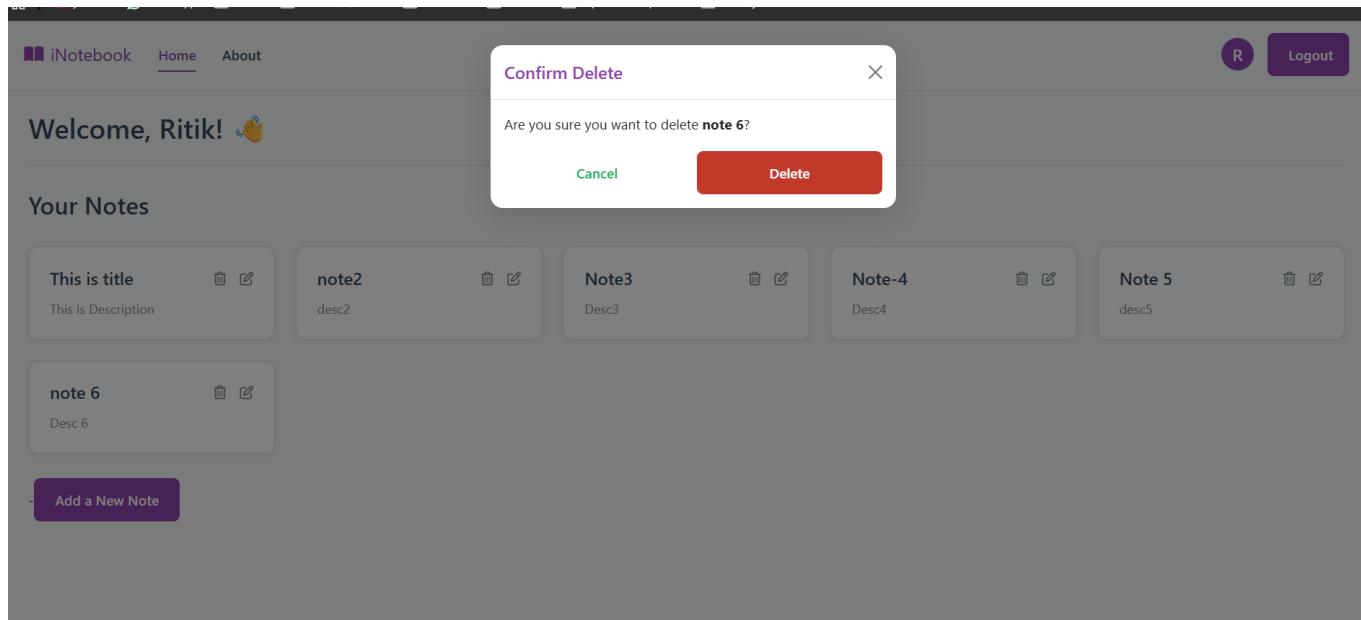
➕ Add Note



>Edit Note



Delete Note



🔔 Notification Toast

