

# Kaosar Ahmed

## Software ENGINEER

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Github : <https://github.com/SiamAhmed32> | Portfolio : [siamahmedportfolio.netlify.app](https://siamahmedportfolio.netlify.app)

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## Professional Summary

Results-driven Front-End Developer skilled in React.js, JavaScript, Tailwind CSS, and Firebase. Experienced in building responsive web apps, managing state with Context API and Redux, and integrating RESTful APIs. Strong foundation in Python and modern development workflows.

## SKILLS

- **Languages:** Python, JavaScript (ES6+), Java
- **Front-End:** React.js, HTML5, CSS3, Tailwind CSS, Bootstrap 5, Responsive Web Design.
- **Core Concepts:** Data Structures & Algorithms, Object-Oriented Programming (OOP), Advanced State Management (React Context API, useReducer, Redux)
- **Developer Tools & Methods:** Git, GitHub, RESTful APIs, Axios, Browser DevTools, Netlify, Vercel, Firebase Authentication, UI/UX Design Principles, Client-side Validation
- **Databases:** MySQL (Basic), SQLite (Basic)

## Projects

### Real-Time Weather Update

**Tech Stack:** React.js, Tailwind CSS, JavaScript (ES6+), Context API, OpenWeatherMap API

#### Key Features:

- Built a dynamic dashboard to display real-time weather data from the OpenWeatherMap API, featuring automatic location detection via the Geolocation API.
- Engineered a responsive UI with advanced features for improved performance and a 'Favorites' list that persists across sessions using a custom useLocalStorage hook.
- Managed all application-wide state, including weather data, forecasts, and user preferences, efficiently using the React Context API.

**Live Link :** <https://weather-timeupdate.netlify.app/>

**Github :** <https://github.com/SiamAhmed32/Real-Time-Weather-Update-React>

### AI Image Generation Platform

**Tech Stack:** React.js, JavaScript (ES6+), Context API, localStorage, fetch API

#### Key Features:

- Engineered a real-time image generation tool by integrating the Pollinations AI REST API, allowing users to control models, dimensions, and aspect ratios through a dynamic settings panel.
- Implemented a persistent user gallery with full Create, Read, and Delete (CRD) functionality, leveraging a custom useLocalStorage hook to save user-generated art across browser sessions.

**Live Link :** <https://digitalimagegeneration.netlify.app/>

**Github Link :** <https://github.com/siam3200/Image-Generator>

### Title: Interactive Movie Rental & Catalog Platform

**Tech Stack:** React.js, JavaScript (ES6+), Context API, React useReducer, Tailwind CSS, react-toastify

#### Key Features:

- Developed a dynamic movie catalog with interactive Browse and detailed film information.
- Engineered a robust shopping cart system for seamless movie selection and rental management.
- Utilized React Context API & useReducer for efficient, centralized state management.
- Implemented dynamic theming (Light/Dark Mode) and responsive UI for enhanced user experience.

**Live :** [cine-rental-website.netlify.app/](https://cine-rental-website.netlify.app/) | **GitHub :** [github.com/SiamAhmed32/cine-rental-catalog-app](https://github.com/SiamAhmed32/cine-rental-catalog-app)

## EDUCATION

### Bachelor of Computer Science and Engineering

Brac University - CGPA : 3.55

IELTS - Test certified (2024)