

# EventHub - Your Ultimate Event Management Platform

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EventHub is a modern, feature-rich platform designed to simplify event creation, management, and participation. Built using cutting-edge technologies, EventHub offers a seamless experience for both organizers and attendees.

 [Live Demo: EventHub](#)

 [GitHub Repository: EventHub on GitHub](#)

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## Key Features

### User Authentication

- Secure email/password-based login
- Profile management with avatars

### Event Management

- Create and manage events effortlessly
- Real-time updates powered by WebSocket
- Categorize events (Conference, Workshop, Seminar, Meetup)
- Track event statuses (Upcoming, Ongoing, Completed)
- Manage attendee capacity effectively
- Rich event details including date, time, location, and descriptions

### Dashboard Features

- Overview of all events
- Personal events section
- Manage attendees with ease
- Powerful filtering and search options
- Fully responsive design for all devices

### Real-Time Features

- Live updates for event changes
  - Instant notifications for new events
  - Real-time attendee list updates
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## Tech Stack

### Frontend

-  React.js with TypeScript
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- Tailwind CSS for styling
- Socket.IO Client for real-time features
- React Router for navigation
- Lucide React for icons

## Backend

- Node.js with Express
- MongoDB with Mongoose
- Socket.IO for real-time communication
- JWT for secure authentication
- CORS for cross-origin resource sharing

## Project Structure

```
eventhub/
  └── frontend
    ├── src/
    │   ├── components/          # Frontend source files
    │   │   ├── pages/           # Reusable React components
    │   │   │   └── Dashboard/   # Page components
    │   │   │       └── main.tsx  # Dashboard-related pages
    │   │   └── main.tsx         # Application entry point
    └── backend/                 # Backend source files
        ├── src/
        │   ├── config/           # Configuration files
        │   ├── models/            # MongoDB models
        │   ├── routes/             # API routes
        │   └── index.js           # Server entry point
        └── package.json
  └── package.json
```

## Getting Started

### Installation

1. Clone the repository:

```
git clone https://github.com/shibbu04/EventHub.git
cd EventHub
```

2. Install dependencies for both frontend and backend:

```
# Install frontend dependencies
cd frontend
```

```

npm install

# Install backend dependencies
cd backend
npm install

```

### 3. Set up environment variables:

- Create a `.env` file in the `backend` directory with the following variables:

```

MONGODB_URI=your_mongodb_connection_string
JWT_SECRET=your_jwt_secret_key
FRONTEND_URL=http://localhost:5173
PORT=5000

```

### 4. Start the development servers:

```

# Start backend server (from backend directory)
npm start
# Start frontend server (from root directory)
npm run dev

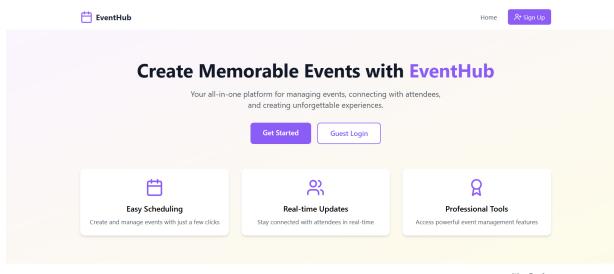
```

## 🌐 Access the Application

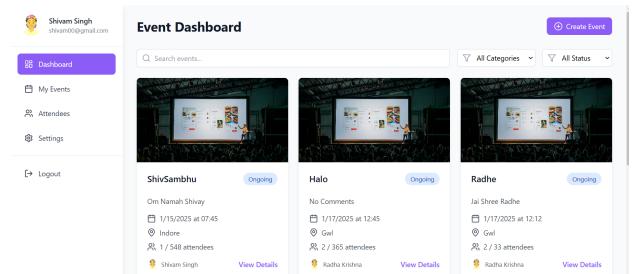
- Frontend:** <http://localhost:5173>
- Backend:** <http://localhost:5000>

## 📷 Screenshots

### Home Page



### Dashboard



### Event Details

### Create Event

## Event Details

The screenshot shows the EventHub application interface. On the left, a sidebar menu includes 'Dashboard', 'My Events', 'Attendees', 'Settings', and 'Logout'. The main area displays an event titled 'ShivSambhu' with a date of 'On Saturday, Mar 15', time '07:45', and status 'Ongoing'. It shows '1 / 548 attendees'. Below this is a section for 'Attendees' with one listed: 'Shivam Singh' (shivamsingh57680@gmail.com). A 'Join Event' button is at the bottom.

## Create Event

The screenshot shows the 'Create New Event' form. It includes fields for 'Event Title', 'Description', 'Date' (set to 'dd-mm-yyyy'), 'Time' (set to '10:00'), 'Location', 'Category' (set to 'Select Category'), 'Capacity' (set to '100'), and 'Image URL (Optional)' (with a placeholder 'https://example.com/image.jpg'). Buttons for 'Cancel' and 'Create Event' are at the bottom.

## Contact

Have questions or suggestions? Reach out!

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Enjoy using **EventHub** and make your events extraordinary! 🎉