

# M A Hannan Muntasir

*AWS Cloud DevOps Engineer*

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A CSE student with a passion in Cloud Services and DevOps methodologies. I have gained adequate experience working with the MERN stack and hands on experience with AWS cloud services and DevOps CI/CD tools. I am eager to explore and delve deeper into these fields and I am constantly seeking opportunities to enhance my skills and contribute meaningfully to the world of technology.

## Projects

### **SIMPLE WEB HOSTING WITH AMAZON S3**

- Developed and Deployed a Static Website using Amazon S3 for hosting.
- Created and deployed a static website using HTML, CSS, JavaScript
- Configured Amazon S3 bucket for web hosting with appropriate permissions.
- Managed website updates and integration through Amazon S3 integration.

### **VIRTUAL SERVER DEPLOYMENT WITH AMAZON EC2**

- Provisioned and configured EC2 instances based on project requirements .
- Managed security groups, key pairs and instance types for optimal performance.
- Implemented monitoring and logging solutions for EC2 instances •
- Insured high availability and scalability through load balancing and auto scaling configurations.

### **HUMAN POSE ESTIMATION MODEL**

- Developed a human pose detection model using deep learning techniques to accurately detect and track human body poses in images or videos.
- Researched and implemented state-of-the-art deep learning architectures for pose estimation.
- Trained and fine-tuned the model using frameworks like TensorFlow or PyTorch.

### **Game-Flix: Gaming Website**

#### • Technologies Used:

**Frontend: React.js, HTML5, CSS3, JavaScript**

**Database: MongoDB**

**Backend: Node.js, Express.js**

**Authentication: JSON Web Tokens (JWT)**

- Integrated the RAWG API to fetch game data, including titles, descriptions, images, and ratings, enhancing the website's content.
- Designed and implemented the frontend user interface using React, providing an intuitive and responsive browsing experience for gamers.
- Developed RESTful APIs with Node.js and Express to handle user authentication, game data retrieval, and user-specific favourites storage.

## KIT-UP Web using MERN

- **Technologies Used:**

Frontend: React.js, HTML5, CSS3, JavaScript

Database: MongoDB

Backend: Node.js, Express.js

Authentication: JSON Web Tokens (JWT)

- **Frontend Development:** Built the user interface using React.js to create dynamic and responsive web pages for browsing products, managing the shopping cart, and viewing order history.
- **Backend Development:** Utilized Node.js and Express.js to develop the server-side logic, including handling user authentication, managing product data, and processing purchase transactions.
- **Database Management:** Integrated MongoDB as the database to store user information, product details, and order history, ensuring efficient data storage and retrieval.
- **Authentication and Security:** Implemented user authentication and authorization using **JSON Web Tokens (JWT)** to secure user accounts and protect sensitive information during login and registration processes.

## EXPERIENCE

### INTERN, FULL STACK ACADEMY

OCT 2023- FEB 2024

- Proficient in designing, deploying, and managing scalable solutions on Amazon Web Services (AWS).
- Demonstrated expertise in utilizing AWS services, including but not limited to EC2, S3, Lambda, and RDS

### CONTRIBUTER , HACKREVOLUTION 24

- **PhotoSync:-** Developed this Application using Python Language using Machine Learning Algorithms
- **Facial Recognition:** Utilizes cutting-edge facial recognition algorithms to accurately identify individuals in photos.
- **Automated Sending:** Once a match is found, PhotoSync automatically sends the photo to the recognized person's designated device or email address.

## Technical Skills

- Git, Github
- Terraform
- Jenkins
- Docker
- NodeJS
- ReactJs
- MongoDB

## Amazon Web Services

- Elastic Compute Cloud (EC2)
- Elastic Load Balancer (ELB)
- Relational Database Services(RDBMS)
- Virtual Private Cloud (VPC)
- Simple Storage Service (S3)
- IAM Role
- AWS Lambda
- Route 53

## Education

● **METHODIST COLLEGE OF ENGINEERING**

**2020-2024**