

# Brendan Ryan

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## Overview

Driven **cloud computing** enthusiast with hands-on experience in developing **cloud-native applications**. Adept at leveraging **AWS services** and **Docker**, with a proven track record in building impactful projects like **fraud detection systems** and **security labs**. Recognized for excellence in **hackathons** and known for **adaptability** and **continuous learning**.

## Education

St. Joseph's Institute of Technology

Bachelor of Engineering in Computer Science(B.E CSE)

CGPA: 8.3

2022 – 2026

## Cirtifications

- **AWS** - Cloud Practitioner (CLF-C02)
- **MySQL** - MySQL 5.6 Developer
- **Python** - HackerRank

## Skills

<b>Cloud</b>	- AWS	<b>Orchestration</b>	- Kubernetes (Beginner)
<b>Containers</b>	- Docker	<b>Version Control</b>	- Git (Moderate)
<b>Database</b>	- MySQL	<b>Coding/Scripting</b>	- React, Python, Node, Java
<b>Configuration</b>	- Ansible (Beginner)	<b>API Testing</b>	- Postman

## Experience

HiAiDo

Cloud Developer

Sep 2024 – Present

Project: **AI Chatbot for Cloud Infrastructure Automation**

- Developed an **AI chatbot** for automating **cloud infrastructure** through natural language.
- Configured **EC2 instances**, storage, and compute resources dynamically based on user inputs.
- Created **cost-effective recommendations** by analyzing user requests.
- Verified code from interns, ensuring quality control before Git commits.
- Enhanced chatbot's capability to handle complex requests and improve **cloud management automation**.

Tesys India Pvt Ltd

Cloud Developer

Mar 2024 – Aug 2024

Project: **Cargo Delivery and Passenger Ride App**

- Developed **cloud-native infrastructure** for a **cargo delivery** and **passenger ride** service.
- Implemented functionalities using **AWS Lambda** to handle business logic and automation tasks.
- Integrated **Amazon S3** for scalable storage and **DynamoDB** for managing dynamic data.
- Utilized **AWS AppSync** to provide real-time updates across the system for a seamless user experience.
- Collaborated with cross-functional teams to ensure smooth deployment of features and infrastructure changes.

## Projects

Financial Fraud Detection

Jan 2024

- Built a **machine-learning model** to detect **financial fraud** by analyzing **real-time bank data** for suspicious transactions.
- The model identifies anomalies like sudden spikes in transaction amounts or frequency without proper authentication.
- Developed a **mobile application** to instantly alert account holders about potential fraud, allowing immediate action to prevent loss.
- Ensured the application delivers faster alerts compared to traditional bank notifications, improving security for users.
- Achieved an **accuracy of 98%** with the machine learning models using our test database.
- Tech Stack: **MongoDB, React, Node.js, Python, Bootstrap, Flutter**.

## Achievements

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Rajasthan Police Hackathon 2024	1st Place
<ul style="list-style-type: none"><li>Developed a <b>Financial Fraud Detection</b> system using <b>machine learning</b> to analyze <b>bank data</b> in real-time and detect anomalies.</li><li>Sent instant alerts via a <b>mobile app</b>, achieving <b>98% accuracy</b> with the models.</li><li>Tech Stack: <b>MongoDB, React, Node.js, Python, Bootstrap, Flutter.</b></li></ul>	

Hack-a-cloud 2.0 2024	Special award
<ul style="list-style-type: none"><li>Built a <b>cloud-based lab</b> to demonstrate <b>AWS security features</b> using <b>ECS, ECR, OWASP Juice Shop</b> (a vulnerable web app), <b>CloudWatch, WAF, and Docker.</b></li><li>Showcased the vulnerabilities of the <b>OWASP Juice Shop</b> and demonstrated how <b>AWS services</b> like <b>WAF</b> eliminated these vulnerabilities without modifying the app's code. It eliminates 99.99% of vulnerabilities.</li><li>Illustrated how <b>cloud infrastructure</b> enhances security and scalability for real-world applications.</li></ul>	

## Volunteering and Leadership Experience

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Coordinator, National Symposium "Cybertrix"	Aug 2024
<ul style="list-style-type: none"><li><b>Coordinated the "Cybertrix" national symposium</b> at the college, successfully managing a large number of attendees, demonstrating <b>organizational skills</b> and <b>attention to detail.</b></li><li><b>Collaborated closely with other coordinators</b> to ensure smooth event execution, showcasing <b>teamwork, leadership,</b> and <b>problem-solving</b> abilities under pressure.</li></ul>	
Volunteer Web Developer, Cloud Club Community	Jun 2024 – Sep 2024
<ul style="list-style-type: none"><li><b>Volunteered as a web developer for the Cloud Club,</b> building a <b>platform</b> with a team of 5 members to highlight the community's achievements and goals, demonstrating <b>communication skills</b> and <b>collaboration.</b></li><li><b>The platform fosters community development</b> and serves as a public showcase of the <b>Cloud Club's work,</b> reflecting creativity and adaptability.</li></ul>	