

RAHUL VIJAN

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EXPERIENCE

Cyber Security Engineer

Virtually Testing Foundation

05/2022 - 07/2022

- Learned and Implemented MITRE ATT&CK, Basic Pentesting, Android Security, and Networking.

ASP.NET Developer

CMP Infotech

12/2021 - 01/2022

- Built a Cloud Storage Web Application with Face Recognition as a 2 Factor Authentication.
- Handled base 64 strings from frontend to backend, rebuilding images that were utilized for recognition and registration.
- Working with MSC SQL Database for RDBMS User Data, Protection from SQL Injection.
- Technical Documentation.

Azure Developer

Microsoft (Future Ready Talent)

03/2022 - 04/2022

- Worked on Sharing a Common Disk between 2 Load Balanced Servers using Active Directory Domain Services via Failover Cluster in an Availability Set, Proximity Placement Group, for HA.
- Azure Shared Disk is utilized by the Web App to make data shareable locally between 2 servers resulting in High Availability.

Internet of Things Developer

IoT.in

02/2022 - 06/2022

- Developed and deployed a Modbus RTU to Modbus TCP gateway enabling communication between Serial and TCP Ports.
- Managed Project Repository on GitLab which included CI/CD environment, Issues, Wiki, ReadMe, and Milestones.

SKILLS

AWS	Microsoft Azure	GCP	Git	Linux	Docker	
C	C#	Python	ASP.NET	HTML	JS	SQL
IoT	Modbus	Microcontrollers	Verilog HDL			
Embedded Systems	FPGA	Deep Learning				

AWARDS

- Wizards of Creation, 1st Prize & Fr. Dr. Thomas Schwarz Award in Project Exhibition and Competition
- 3rd Prize in Inter-Department Project Competition

EDUCATION

Bachelors in Engineering (EXTC)

Xavier Institute of Engineering (2023)

Mumbai, India

GPA
8.3 / 10.0

CERTIFICATIONS

GCP Certified Professional Cloud Architect Azure Administrator (AZ 104)

AWS Certified Cloud Practitioner

Azure Fundamentals (AZ 900)

Azure AI Fundamentals (AI 900)

Microsoft Security Fundamentals (SC 900)

MTA: Software Dev Fundamentals

MTA: Intro to Programming using Python

LPI Linux Essentials

SafeTTY Certified Level 0

PROJECTS

1) ADAS

08/2022 - Ongoing Mumbai, India

Advanced Driver Assistance System

- Our goal is to make a Level 5 ADAS Car in a constrained environment.
- It has features such as Lane Assist, Lane Switching, Sign/Object detection, Adaptive Speed Control, Failsafe Mode etc.

2) SCloud

12/2021 - 01/2022 Mumbai, India

https://github.com/rv2442/Cloudbased_filestorage

Cloud Storage Web Application with Face

Recognition as 2F Authentication (Open Source).

- SCloud is a cloud storage web application where the user can store, update, and delete data.
- Data can be shared among registered users.
- Each user has a 1 GB usage quota.
- 2F Auth as Face Recognition.
- Deployed on Microsoft Azure, 99.95% Uptime

3) IoT Surveillance Car

01/2021 - 07/2021 Mumbai, India

<https://github.com/rv2442/lot-Surveillance-Car>

Internet of Things Surveillance Car (Open Source)

- This IoT-based Surveillance Car can be controlled and tracked globally, providing real-time data feedback using sensors.
- Remote monitoring from a camera on a Cloud Endpoint.
- Works on a sim connection, is Cloud Integrated, using Azure and Arduino IoT Cloud.