RAHUL REDDY ANUGU

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SKILLS
Cloud Infrastructure:

AWS - Auto scaling, EC2, S3, CodeCommit, CloudFormation, AWS Key Management, Lambda, DynamoDB, ELB, Amazon Elastic Container Service, CloudWatch, SNS, SQS, VPCs, AWS CloudWatch Logs and Security Groups, IAM, encrypting the data, keyrings.

GCP - EC2 instances, VPC, Subnets, Firewall Rules, Encrypted the data, Given single access permission using keyrings, Network peering, Handling Encryption Keys, Connected Networks with Google Cloud VPN using Route-based, Adding user, Creating Custom Roles, Creating Service Accounts, Creating Storage Buckets.

Servers: Apache HTTP Server, Load balancing, MYSQL.

containerization: AWS ECR, Docker

Web Applications: Manual SQL Injection, Manual Cross Site Scripting (XSS).

Applications: Jenkins, Slack, Wireshark, Burp Suite, Cisco packet Tracer, Aircrack -ng, Nmap.

Operating systems: Kali Linux, Ubuntu, Windows

Vulnerability Assessment: Malware removal, Website fixing, Redirection malware, Fraud detection on website's checkout page, Database fixing.

Customer Support: Actively listening, Problem solving, Product knowledge, Patience and Time management, Tutoring.

Relevant Courses: Cloud Security DevOps, Network Security, Information security, Cyber Forensics, Working with Pandas(Python).

Certifications: AWS Cloud Practitioner, Linux Server Professional - LPIC-101(Cloud Academy), Google Cloud Security(on-going)

AWS Events Certificates:AWS Technical Essentials Day(Virtual Training), Building a Cloud Career presented by AWS Skills Centers(Virtual Training).

PROFESSIONAL EXPERIENCE

❖ *Academic Tutor (GearUp Compton)*
California State University, Dominguez Hills   *Jan 2022 - Jan 2023*
- Assisted students in acquiring better understanding of targeted weak areas within a subject or a subject as a whole.
- Prepared weekly lesson plans to help students prepare for their courses.
- Analyzed and maintained records of student's progress to teach individual needs.
- Helped students to learn creating Posters using Canva, Retro Games using Microsoft MakeCode Arcade as part of STEAM program.
- Took students for field trips and educational tours.
- Helped students with their assignments and to improve their grades.

❖ *Website Malware Removal (Hacked Websites)*   *Sep 2021 - June 2022*
- When a website is reported hacked, I ensure to do the cleanup of the malware files on the website.
- Removing redirect malware from the websites.
- On most websites, the hacker might steal the Credit Card info from the website by putting some malware on the payment page. In such cases, I will remove the malware from those pages and inform the customer to do the security audit.
- Learning the basics of pen testing and vulnerability assessment from the team members..
- Creating php scripts to automate the process to remove the malware from the website.
- Familiar with Wordpress, Joomla, Drupal and Magento sites and able to fix them.
- Supported the customers using email and call and helped them to fix the website.

❖ *DevOps Engineer & Product Specialist*
Czar Securities Private Limited., India   *Nov 2020-Aug 2021*
- Maintained version control processes with Git (source code management).
- Automated and maintained CI/CD pipelines for build and deployments using Jenkins and Docker.
- Worked on a Docker container to create Docker images for different Environments.
- Created post-commit and pre-push hooks using python in git REPOS.
- Actively involved in the architecture of DevOps platform and cloud solutions.
- Was an integral part of the team that improved and monitored cloud infrastructure on AWS.
- Deal with customer's issues via email and chat. Helped the sales team during their busy hours to promote the product.

❖ *Mobile App Developer*
Vicinia Retail Pvt. Ltd., Hyderabad, India   *Sep 2018-Sep 2020*
- This application was developed using React Native., which can be used to develop a Cross Platform Mobile App.
- Developed and maintained the website in terms of front, and back-end functionality of the website to produce clean code that followed the design and functional specifications.
- Improved system integration for software development and maintenance projects using Git.
- Prioritized and fixed website-related design problems and implemented new features based on feedback.
- Integrated the Google Maps, for knowing the correct location for users and best route for delivery boys.
- Developed Delivery boy and Kitchen App using React Native for delivering boys and for chefs.

Academic Projects:

❖ ***Google Professional Cloud Security Engineer Certification Labs***   ***Aug 2022 - Dec 2022***
     Master's Thesis

- Created lab documents for new beginners who want to learn GCP security.
- Created lab documents on Cloud IAM, Network Security, Compute & Storage Security, Data Loss Prevention and Data Encryption on GCP.
- Created EC2 instances, VPC, Subnets, Firewall Rules.
- Encrypted the data, Given single access permission using keyrings, Network peering, Handling Encryption Keys.
- Connected Networks with Google Cloud VPN using Route-based, Adding user, Creating Custom Roles, Creating Service Accounts, Creating Storage Buckets.

❖ ***High Availability of Services using AWS***
     Master's Coursework   ***May 2022***

- Created a web application using EC2, S3, CodeCommit, CloudFormation, AWS Key Management, Lambda, DynamoDB, ELB, VPC, Amazon Elastic Container Service, CloudWatch, SNS, SQS, VPCs, AWS CloudWatch Logs and Security Groups, IAM.
- The project automated monitoring, failure detection, and failover mechanisms to ensure the data to remain accessible through an active-standby region configuration by keeping availability zones independent of each other.

❖ ***Antah Pragnya 2k17*** **(University Tech. Fest.)**   ***Jan 2017 - Mar 2017***
     RGUKT, Basara. India

- Antah Pragnya 2k17 is a website developed to showcase Tech Fest events to register and participate in the events. And also showcased the university's achievements.
- Created a website using HTML, CSS, Javascript, Java, MySQL, CodeIgniter framework.

❖ **Audit Control(IBM) (Internship)**   ***Jun 2017- May 2018***
     RGUKT, Basara. India

- Created a website using HTML, CSS, python, DB2, Servlets and Jsp.
- Worked as a Tester for the whole Project.

EDUCATION

California State University, Dominguez Hills – Master of Science in Cybersecurity (**GPA: 3.71**)   ***Aug 2021 - Dec 2022***

RGUKT, Basara Campus, India – Bachelor of Engineering in Computer Science (**GPA: 3.02**)   ***May 2018***