VIVEK GURRAM

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OBJECTIVE

As recent postgraduate in Computer Software and Database Development, passionate about leveraging to contribute innovative software solutions. Seeking a challenging role as a software engineer to apply theoretical knowledge and hands-on experience gained through academic projects in a educational environment.

WORK EXPERIENCE

2024- Current – AWS solutions Architect @ Vosyn.

PROJECT EXPERIENCE

Amazon AWS Web Application Architecture (CAP-STONE PROJECT)

Designed, deployed, and hosted a highly-available video streaming web application architecture on Amazon Web Services (AWS). Utilized a comprehensive set of AWS services including EC2, RDS, Route 53, ASG, VPC, EFS, S3, CloudFront, and ELB to ensure scalability, fault tolerance, and optimal performance.

Orchestrated the deployment of the web application on EC2 instances within Auto Scaling Groups (ASG), ensuring fault tolerance and high availability across multiple Availability Zones (AZs). Leveraged cost optimization strategies such as Reserved Instances and Spot Instances to ensure cost-effectiveness while meeting performance requirements.

Implemented Amazon RDS for managed relational database services, ensuring scalability and reliability of the backend database. Configured Amazon Route 53 for reliable DNS resolution, optimizing traffic routing and minimizing latency for end users. Utilized Amazon VPC to securely deploy the web application, maintaining full control over network configurations and access permissions. Implemented monitoring solutions with AWS CloudWatch to monitor resource utilization and application performance, enabling proactive optimization and troubleshooting. Demonstrated expertise in cloud architecture design and implementation, driving successful project outcomes through innovative use of AWS cloud technologies.

Rapid language Conversion (AWS)

Developed a language conversion project leveraging AWS services (S3, Lambda, Translate) for swift translation between languages. Responsibilities encompassed designing architecture, integrating AWS Translate API, and implementing Lambda functions. Focused on optimizing performance and ensuring high accuracy in text conversion. Collaborated with cross-functional teams to gather requirements and deploy the solution successfully. Utilized AWS S3 for efficient storage and retrieval of input/output data. Demonstrated project's effectiveness in improving communication across diverse audiences. Project showcased expertise in AWS cloud infrastructure and language processing. Contributed to enhanced accessibility and communication by enabling rapid language conversion. Ensured scalability, reliability, and cost-effectiveness in the solution architecture. Demonstrated proficiency in Python programming and RESTful API integration.

Hire an Intern (CAP-STONE PROJECT)

During my postgraduate studies, I led a project called "Hire an Intern," aimed at developing a sophisticated software solution for employers to streamline the applicant screening process using artificial intelligence (AI) techniques. Leveraging React for the frontend, MongoDB for database management, and Express API for server-side operations, our team built a robust platform capable of efficiently matching applicant profiles with job descriptions.

A key feature of this project was the implementation of natural language processing (NLP) algorithms, enabling automated keyword matching between applicant resumes and job descriptions. By integrating AWS EC2 for hosting, we ensured scalability and reliability of the platform. This project not only deepened my expertise in frontend and backend technologies but also provided valuable insights into AI-driven application development and cloud hosting solutions.

Portfolio website

Crafted a professional portfolio website using HTML, Bootstrap, and JavaScript, hosted on AWS utilizing CloudFront, S3, and SSL certificate for optimal performance. Managed AWS infrastructure efficiently, integrating CloudFront CDN and SSL certificate via Route 53 for secure content delivery. Ensured user-friendly design with Bootstrap and interactive elements with JavaScript. Experience showcased at Click here to navigate to my live portfolio

Airline Ticketing System

As part of my bachelor's degree program, I spearheaded a team project focused on developing andAirline Ticketing System using HTML, Bootstrap, PHP, and MySQL technologies. This project involved designing and implementing a comprehensive system for managing airline ticket bookings, passenger information, and flight schedules. Leveraging my skills in front-end development with HTML and Bootstrap, I crafted a user-friendly interface for customers to easily browse available flights and make reservation

EDUCATION

May/2022 – **December/2023** - Post Graduation in Computer Software and
                          Database Development.

                                    Loyalist College, Toronto, North York, ON.

June/2017 – August/2021 - Bachelor's degree in Computer Science

                              VVIT, Guntur, Andhra Pradesh.

SKILLS
Coding :   JavaScript, PHP, Python.

Cloud   :   Proficient in Amazon Web Services (AWS), MicroSoftAzure

Data bases :   MySQL, PostgreSQL, Amazon RDS, Amazon Aurora.

Web Development :   HTML, CSS, Apache Web Server.

CERTIFICATIONS

2024 : Certified AWS ec2 Essential Training from LinkedIN

2022 :   Udemy Course Completion Certificate as React Developer.
Department Certificate for Outstanding Student Performance, Loyalist
College Certification

2018 : Merit Award in Front-End Coding, VVIT Institute.