Bharath Arroju

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Summer Internship

Cloud Computing with AWS
June 2023 - July 2023

Board infinity

- Collaborated with a skilled trainer to implement AWS cloud solutions, showcasing proficiency in services like EC2, S3, and Lambda. Contributed to secure and resilient architecture design, automated infrastructure deployment using CloudFormation, and resolved complex issues.

Projects

Kubernetes Reddit Clone with Ingress | *Docker, Kubernetes, AWS*
Feb 2024 - Feb 2024

- Deployed Reddit Clone on Kubernetes using EC2 (Ubuntu AMI, t2. medium), leveraging Docker for containerization and Minikube for local Kubernetes management.
- Configured auto-scaling with Horizontal Pod Autoscaler and auto-healing for maintaining application reliability and performance.
- Implemented Kubernetes Service of type Load Balancer for efficient traffic distribution and Ingress for advanced traffic routing and management.
- GitHub Repository Link: https://github.com/bharatharroju/bharath-kubernetes-reddit/tree/main

Online Employment Software System | *Python3*
Sep 2022 - Dec 2022

- Developed system for managing the staff data within a small company or organization data.
- The Employee Management System is an application designed to create, store, and manage employee records efficiently. For insertion, retrieval, deletion of data, user authentication, individual user data storage, and for other advanced tasks.
- Github Repository Link: https://github.com/bharatharroju/online-employment-software-system.git

Traffic Sign Recognition and Detection Using CNN | *Python3*, TensorFlow, *Keras, OPEN CV*
Aug 2021 - Jan 2022

- Developed this project is to provide an efficient method for detection and recognition of traffic signs in India
- The model proposed in this paper does bring us a step closer to achieving the ideal Advanced Driver Assistance System or even a completely driverless system
- GitHub Repository Link: https://github.com/bharatharroju/traffic-sign-detection-using-cnn

Certificates

Introduction to containers w/ Docker, Kubernetes & OpenShift
Feb 2024

Coursera— coursera.org/account/accomplishments/verify/GAGJDQTG2KQT

Java Programming: Arrays, Lists, and Structured Data
April 2023

Coursera — coursera.org/account/accomplishments/verify/2FFBX3TWEPQD

Linux System Programming and Introduction to Build root
Nov 2022

Coursera —coursera.org/account/accomplishments/verify/HGXND3SKRTXM

Technical Skills

Languages C, C++, Java, Linux, Python

Technologies/Frameworks: Kubernetes, Docker, Cloud Computing-AWS, GitHub, Ubuntu, Devops, MySQL

Skills: Containerization, Cloud Platforms-AWS, GCP, Data Structure and Algorithms, Monitoring

Soft Skills: Time-management, Leadership skills, Self-motivated

Education

Lovely Professional University Punjab
Since July,2022

Computer Science and Engineering — CGPA: 7.00
Jalandhar, Punjab

SVS Group of Institutions
2019 – 2022

Diploma with Computer Science and Engineering — CGPA: 7.25
Warangal, Telangana

SPR School Of Excellence Warangal
2018 – 2019

10th with Science — CGPA: 9.3
Warangal, Telangana