MANOHAR VEERAVALLI

480-796-2565 • mveerava@asu.edu • linkedin.com/in/manohar-veeravalli/ • github.com/manohar42

EDUCATION

Master of Science in Computer Science Aug 2022 - May 2024(Graduating)
Arizona State University, Tempe, AZ 3.6/4 GPA
Ira A. Fulton Schools of Engineering
Relevant coursework: Data Processing at Scale, Data Visualization(using D3.js), Cloud Computing, Mobile Computing, Combinatorial algorithms.

Bachelor of Science in Computer Science Aug 2017 - Jun 2021
Vignan's Foundation for Science Technology and Research, Vadlmudi ,AP,India 8.88/10 GPA
Relevant coursework: C, DataStructures, OOPS through Java , Cloud Computing, DBMS.

TECHNICAL SKILLS

Cloud Technologies and Databases: AWS, Docker,Kubernetes , MySQL , MongoDB , neo4j.
Programming languages: Python,Java,C,Data Structures and Algorithms,Object Oriented Programming(OOP).
Web design and Frameworks: HTML, CSS, JavaScript, D3.js , ReactJs , NodeJs , ExpressJs, Bootstrap.
AWS stack: EC2, DynamoDB, lambda , S3, AutoScaling, ECS, IAM, Cloud Watch, VPC.

EXPERIENCE

Tata Consultancy Solutions, TS, India: Assistant System Engineer Trainee Jul 2021 – Jul 2022

- Debugged data transfer code in Kubernetes pods, identified and fixed 15+ bugs and technical errors (Python,Kubectl).
- Monitored and analyzed cloud storage data, leveraging BigQuery operations to identify and resolve data discrepancies, ensuring data integrity across all systems (MySQL).
- Designed and implemented 12 Directed Acyclic Graphs (DAGs) in Python to enable efficient data transfer within the Google Cloud, with seamless execution on Kubernetes Pods.

Software Engineering Research Center, IIIT Hyderabad: Digital Internship Jun 2020 - Jul 2020

- Contributed to the development and maintenance of dynamic and responsive web pages, utilizing a tech stack that included HTML5, CSS3, JavaScript, and modern front-end frameworks such as ReactJs.
- Actively engaged in comprehensive code reviews, offering valuable feedback and suggestions to enhance overall code quality and optimize performance.

ACADEMIC PROJECTS

Data Processing pipeline Mar 2023 – May 2023
An Individual project in which I used Docker, minikube , Python technologies to send the streaming data into a neo4j graph database.

- Deployed Neo4j containers using a Helm chart, simplifying management.Established a seamless Kafka-Neo4j connection for integrated data flow and messaging.

Image as a Service Aug 2023 - Jul 2023
Deployed Python image recognition code via Docker container on AWS Lambda to identify individuals in images.

- Developed and deployed a Docker image for image classification to Amazon ECR, integrating it into a Lambda function for efficient image classification.

Social media mining Feb 2020 - Jul 2020
Lead a team of three to collect social media data from Twitter and Youtube and perform analysis on it.

- Effectively gathered real-time data from Twitter and YouTube, and conducted comprehensive data preprocessing to eliminate outliers and ensure data quality.

CERTIFICATIONS

AWS Certified Solutions Architect – Associate Feb 2024.