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🌐 KANDUKURIsaikrishna

EXPERIENCE

Junior Machine Learning Engineer-Task Co-Lead Omdena

📅 Sep 2023 - Oct 2023 📍 Remote

- Selected as one of the Co-lead of a task in the project titled "Discovering the Relationship Between Crime Statistics and Weather in the Houston Area."

Python

Git

Streamlit

Gradio

Junior Machine Learning Engineer-Intern Omdena

📅 Apr 2023 - Aug 2023 📍 Remote

- Selected as one of the contributors to the project titled "Shoreline Change Detection in Ghana through Satellite Images"

Python

Git

NumPy

Streamlit

GeoPanda

geemap

Vulnerability Management in open-source libraries

inriver

📅 Jan 2022 - Jan 2023 📍 Malmö, Sweden

- Investigated the process of vulnerability management in open-source libraries.
- Inspected the process of importing open-source libraries, monitoring security health of libraries and mitigating the vulnerabilities. Contributed in solving the challenges of developers in vulnerability management.

INTERNSHIP

Path Creators

📅 Oct 2017- Nov 2017 📍 Hyderabad, India

- Developed path finding and line follower robots using Arduino.

Arduino

C

Raspberry pi

EDUCATION

Master's in Software Engineering

Blekinge Institute Of Technology

📅 Jan 2021 - Jan 2023 📍 Karlskrona, Sweden

Bachelor's in Computer Science

Jawaharlal Nehru Technological University

📅 Aug 2017 - Dec 2020 📍 Telangana, India

ABOUT ME

"As a cloud enthusiast and technology advocate, I am deeply passionate about exploring the endless possibilities that cloud computing offers. Eager to learn and collaborate, I thrive on challenges that push the boundaries of innovation. My enthusiasm extends beyond technology, as I am committed to contributing my skills to projects that make a positive impact on society. With a mindset geared towards continuous exploration and a collaborative spirit, I look forward to being part of initiatives that shape a better future through technology."

CERTIFICATES

Oracle Cloud Infrastructure 2023 Certified DevOps Professional

- Oracle

Oracle Cloud Infrastructure 2023 Certified Architect Associate

- Oracle

Learn DevOps: Docker, Kubernetes, Terraform and Azure DevOps

- in28Minutes

PROJECTS

Cloud Resume Challenge

- Launched a static website on S3, utilizing CloudFront for HTTPS and caching.
- Integrated Route 53 for DNS and attached an SSL certificate to CloudFront.
- Implemented JavaScript functionality, interacting with an API Gateway.
- Utilized DynamoDB for website view count storage with on-demand pricing.
- Integrated AWS SES for a Contact Me page, enabling seamless email communication.
- Leveraged various AWS services, including S3, CloudFront, Route 53, DynamoDB, API Gateway, and SES, managed via Terraform in CI/CD workflows on GitHub Actions

PROJECTS

Cloud Native Monitoring Application on Kubernetes

- Developed a monitoring application in Python using Flask and psutil to collect and display system metrics in real-time.
- created Dockerfiles, building Docker images, and running Docker containers for the Python application
- Utilized Python Boto3 library to create an Amazon Elastic Container Registry (ECR) repository and successfully pushed the Docker image to ECR for seamless deployment on AWS.
- Created an Amazon Elastic Kubernetes Service (EKS) cluster and node groups and deployed the Python application as Kubernetes deployments and services using Python scripts.
- Technologies :** Docker, Kubernetes, AWS, Python.

Video Chat App

- Build a video chat application allowing users to connect with friends and family through live video calls.
- Implemented features such as group video calls and the ability to send messages—utilized cutting-edge technologies such as WebRTC, Node.js, and Socket.io to ensure smooth and seamless communication.
- Technologies :** JavaScript, node.js, Express.js, HTML, CSS, Heroku, PeerJS, WebRTC, and Socket.io.

Driver drowsiness detection system

- Developed a **real-time system** that detects the person's eyes are closed for few seconds. This system will alert the driver when drowsiness is detected.
- This detection model can help prevent accidents caused by drivers who have fallen asleep.
- Technologies :** Python, Computer Vision

Evolution Maintenance of Webanno Software

Blekinge Institute Of Technology

📅 Sep 2021 - Nov 2021 📍 Karlskrona, Sweden

Git Java Python HTML Scrum SonarQube

The WebAnno software is a completely web-based tool that can help to annotate document with internet access.

I worked on comprehending the software's source code and assisting with the refactoring of code that might create future maintainability concerns.

In addition, as a group, we added a new feature using java, python, and HTML to the software for better functionality.

Applied Cloud Computing and BigData

Blekinge Institute Of Technology

📅 Nov 2021 - Jan 2022 📍 Karlskrona, Sweden

Vagrant Cloud BigData Java

One of the main aim of the study is to understand cloud computing with the help of vagrant and DigitalOcean and another important goal was to understand and improve the Chunk comparing algorithm using big data.

VOLUNTEER

Quest2020

JNTU Hyderabad

📅 March 2020 📍 India

- One of the Head co-ordinator for Quest 2020.
- Quest is a national-level technical fest which the department of Computer Science and Engineering conducts every year.
- Successfully achieved an impressive participant count of 100+ in each event, drawing attendees from colleges across the State.
- Spearheaded event planning and execution, overseeing vendor management, budgeting, marketing, logistics, and volunteer coordination, resulting in a highly successful and well-attended event with overwhelmingly positive participant and attendee feedback.

Social Skills Leadership
Management

Save the Children

JNTU Hyderabad

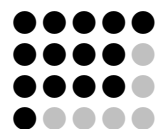
📅 May 2020 📍 India

- Collaborated with Save the Children and Telangana Police in a joint effort to eradicate child labor and protect the rights of vulnerable children.

Management Social Skills

LANGUAGES

English
Telugu
Hindi
Swedish



HOBBIES

Current Affairs History Cooking
Travelling Music Volley Ball
Cricket