SAI KRISHNA KANDUKURI

Software Developer

@ kandukurisaikrishna698@gmail.com　　☎ 0705496982　　📍 Karlskrona, Sweden
in https://www.linkedin.com/in/saikrishna-kandukuri/　　○ https://github.com/KANDUKURIsaikrishna

ABOUT ME

- Passionate software developer with a thirst for continuous learning and growth.
- Infusing motivation and a versatile skill set to create meaningful impact in every endeavour.
- Dedicated to evolving into a reliable and indispensable team contributor.
- Driven by a deep passion for cloud computing, machine learning, and web development, I am enthusiastic about leveraging my skills to create innovative solutions.

EXPERIENCE

Junior Machine Learning Engineer-Task Co-Lead

Omdena

📅 Sep 2023 - Oct 2023　　📍 Remote

- " Led deployment of ML models for actionable insights in law enforcement and urban planning."
- "Engineered innovative features to boost predictive accuracy of crime-weather correlation models."

`Python`　`Git`　`Streamlit`　`Gradio`

INTERNSHIP

Pantech Solutions

📅 Nov 2022 - Dec 2022　　📍 India

- Worked on multiple Machine Learning projects over one month
- Build machine learning models to solve various real-world use cases like Fake news detection, Leaf disease detection.

`Python`　`NumPy`　`OpenCV`　`Machine learning`

Master Thesis Student - Vulnerability Management in open-source libraries

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📅 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.

EDUCATION

Master's in Software Engineering

Blekinge Institute Of Technology

📅 Jan 2021 – Jan 2023　　📍 Karlskrona, Sweden

TECHNICAL SKILLS

- **Programming Languages:** C, Java, Python, Bash, JavaScript.
- **Databases:** Oracle, MySql, PostgreSql, MongoDB.
- **Web Development:** React.js, Node.js, Express.js, HTML, CSS, Socket.io.
- **Version Control and Code Quality:** Git, SonarQube.
- **Cloud and DevOps:** AWS, CI/CD, MicroServices, Docker, Kubernetes,Jenkins Terraform.
- **Machine Learning and Data:** Pandas, OpenCV, Matplotlib, Sklearn, TensorFlow.

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

AWS Infrastructure Automation with Terraform

- Orchestrated AWS infrastructure setup using Terraform for VPC, subnets, NAT Gateways, Load Balancer, Auto Scaling, and S3 VPC Endpoint.
- Ensured high availability by deploying resources across multiple Availability Zones with Auto Scaling Groups.
- Implemented granular security controls with Security Groups to restrict traffic and safeguard resources within the VPC.
- Established Gateway VPC Endpoint for Amazon S3 to enable secure and direct access without internet routing.

Bachelor's in Computer Science

Jawaharlal Nehru Technological University

📅 Aug 2017 – Dec 2020 📍 Telangana, India

Basics of Remote Sensing GIS GNSS and its Applications

Indian Institute of Remote Sensing- ISRO

📅 Jan-24 -Present 📍 Remote

PROJECTS

Jenkins Pipeline for Java based application using Maven, Sonar-Qube, Argo CD, Helm and Kubernetes
- Designed and deployed streamlined CI/CD pipeline for Spring Boot apps on Kubernetes, enhancing efficiency.
- Implemented Argo CD for Kubernetes deployments, ensuring automated application delivery.
- Utilized Docker to containerize Spring Boot apps, promoting consistency in deployment environments.
- Integrated automated testing within CI pipeline for code integrity and software reliability.
- Orchestrated Kubernetes clusters to host Spring Boot applications, facilitating seamless scalability and resource management.

Cloud Native Monitoring Application on Kubernetes
- Developed real-time system metrics monitoring app with Python, Flask, and psutil.
- cContainerized using Docker: created Dockerfiles, built images, and ran containers.
- Integrated with AWS using Python Boto3 to establish ECR repository and pushed Docker image.
- Set up Amazon EKS cluster and deployed via Kubernetes using Python scripts.
- **Technologies :** Docker, Kubernetes, AWS, Python.

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 Maintenace of Webanno Software

Blekinge Institute Of Technology

📅 Sep 2021 - Nov 2021 📍 Karlskrona, Sweden

Git Java Python HTML Scrum SonarQube

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.

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.
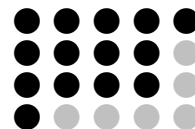
Management Social Skills

LANGUAGES

English
Telugu
Hindi
Swedish (SFI)

HOBBIES

Current Affairs History Cooking Travelling

Music Volley Ball Cricket