

NANDAVAMSI SINGIREDDY

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PROFILE

Software Engineer with strong proficiency in Python and hands-on experience in Azure cloud. Skilled in building scalable applications, automation, and cloud-based solutions. Passionate about solving complex problems and delivering efficient, high-quality software.

WORK EXPERIENCE

AVINEON (Associate)

02-2024(Present)

- Engaged in GIS solution development at Avineon.
- Actively collaborating within a team to design, implement, and optimize GIS solutions for diverse client requirements.

Soul AI(Prompt Engineer)

- Collaborated with a multidisciplinary team to enhance the training module for a cutting-edge AI platform.
- Provided detailed and constructive feedback on AI-generated outputs to refine model performance and accuracy.

ItasCode (Intern)

- Gained hands-on experience in cloud infrastructure setup and management.
- Built and automated CI/CD pipelines to streamline deployment processes.
- Learned key DevOps practices for efficient collaboration and rapid software delivery.

SKILLS

- **Front-end:** HTML, CSS, Javascript , React
- **DevOps:** Terraform, Docker, Kubernetes, Azure DevOps
- **Cloud:** Azure.
- **Version Control:** Git.
- **Coding Languages:** Python.

PROJECTS

Enhancing Docker Image Efficiency with Multi-Stage Builds(Docker)

- Created an Ubuntu virtual machine in Azure using Azure CLI and installed Docker.
- Developed a single-stage Docker file to build an initial image.
- Explored and implemented a multi-stage Docker file approach, significantly reducing the image size from 869MB to 1.83MB.

Cloud Storage Data Transfer and Automation in Azure(Azure)

- Created a resource group and two storage accounts in Azure portal.
- Uploaded a text file to one storage account container.
- Developed and triggered an Azure Data Factory pipeline to transfer data between storage accounts.
- Verified successful data transfer by confirming file presence in the destination container.

EDUCATION

Pragati Engineering College | Surampalem,AP

- Bachelor's in mechanical engineering (GPA 7.6/10) | 2020-2023

Language knowledge: English, Telugu(native)