GAJBINKAR SRINIVAS

Senior Undergraduate

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Interested in cloud-native technologies, AWS and Machine Learning. Always eager to learn and explore new DevOps tools and practices.

EDUCATION

Qualification	Specialization	Institute	Year	GPA
Bachelor's of Technology	*Computer Science &Engineering*	Nalla Narasimha Reddy Education Society Group of Institutions.	2021-Present	7.77
Intermediate	*Mathematics, Physics & Chemistry,*	Sri Chaitanya Junior Kalashala.	2021	7.78
SSC	-	Gujrathi High School.	2019	8.5

TRAINING - WORKEXPERIENCE

- **AWS Academy Cloud Architecting** *[ITC Academy]*   *Aug-2024*

  AWS Academy Graduate AWS Academy Cloud Architecting

  Amazon Web Services (AWS)

  Completed 100-hour AWS Cloud Practitioner training, building proficiency in core services (EC2, S3, RDS, Lambda), cloud security, IAM, and cost management. Skilled in designing scalable, highly available, and fault-tolerant cloud architectures following AWS best practices.

PROJECTS

- **Image Segmentation using Automated K-Means Clustering with RGB & HSV Color Spaces**   *Apr2023*

  - Developed an image segmentation project utilizing automated K-Means clustering to classify regions based on RGB and HSV color spaces. Implemented a preprocessing pipeline to enhance color differentiation, achieving efficient and accurate segmentation across varied image sets.

- **Barcode Recognition using Deep Learning**   *Dec-2023*

  - Programmed a deep learning model using Convolutional Neural Networks (CNN) for barcode recognition,   achieving 78% accuracy. Designed and implemented a preprocessing and feature extraction pipeline to enhance   model performance across diverse barcode images.

- **Bidirectional Load Balancing Strategy In Kubernetes Clusters (Mini Project)**   *May- Aug 2024*

  - Designed and implemented a bidirectional load balancing strategy in Kubernetes, using Docker, integrating Round Robin algorithm to enhance traffic distribution and resource allocation. Optimized containerized workloads for improved performance and resilience in distributed environments. enhancing resource efficiency and scalability in distributed environments. resulting in improved performance and reliability across Kubernetes clusters.

CERTIFICATIONS

NPTEL Programming in Java (Indian Institute of Technology - Kharagpur)   (Jun–Oct 2023)

The 12-week Programming in Java course , with experience in developing applications utilizing object-oriented programming principles, data structures, Familiar with Java frameworks and libraries, enabling the creation of efficient and scalable software solutions, RollNo:NPTEL23CS74S737402553.

NPTEL Privacy and Security in Online Social Media   (Jan-Apr 2024)
(The International Institute of Information Technology Hyderabad)

The 12-week course focusing on privacy and security principles in social media, gaining insights into user data protection, threat mitigation, and best practices for maintaining secure online environments, RollNo:NPTEL24CS0451157402628.

5-day Workshop On IoT (Internet of Things)

Participated in a 5-day Internet of Things (IoT) workshop, gaining hands-on experience in IoT technologies, device connectivity, and data management. Collaborated on practical projects that explored real-world applications of IoT solutions, enhancing technical skills and knowledge in the field.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- "Had the honor of representing **Jawaharlal Nehru Technological University, Hyderabad** in the prestigious **South-West Zone National University Boxing Games at Chandigarh University, Punjab**   (Dec 2024)

TECHNICALSKILLS

- **Languages:** Python, C, Java
- **DataBase:** MySQL
- **Tools:** VS Code, GitHub, Docker, Kubernetes.
- **MOOCS:** NPTEL Course(s).