CHANDRA SEKHAR SINGURU

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EDUCATION

Masters - Applied Computer Science   Aug 2023 - May 2025
Grand Valley State University, MI, GPA: 3.9/4

Bachelors - Computer Science & Engineering   Aug 2017 - May 2021
Vellore Institute of Technology, India, CGPA: 8.5/10

TECHNICAL SKILLS

Languages: Python, Java, SQL, C, HTML5, CSS, Bootstrap, PowerShell, YAML, React
Tools & Technologies: Zoom, Teams, Onedrive, Git, Docker, AI, ML, Azure, SAP, AWS, DevOps, Kafka, Linux
Cloud Technologies: EC2, S3, Lambda, RDS, API, NSG, Grafana
Networking: Networklayer, Checkpoint firewall, Barracuda
Databases: PostgreSQL, MySQL, Neo4j, MongoDB, Redis Insight
Additional Skills: Event Coordination, Multi-tasking, Leadership, Time management

WORK EXPERIENCE

Grand Valley State University, Michigan, USA: IT Services L1 Support (Part-time)   Sept 2023 – Current

- Provided technical support and troubleshooting to faculty, students, and alumni, resolving software, WiFi, VPN, login issues, and managing Ticketing System (ITSM) over the phone and in person with my strong communication Skills.
- Monitored and maintained printer functionality in the library, ensuring smooth operations and resolving related technical issues. Gained ITIL Knowledge

Ernst & Young, India: Associate Cloud Engineer   Jul 2021 – Aug 2023

- Provisioned and managed over **700+** Azure Virtual Machines (VMs), **4000+** Azure Blob Storage instances, configured Network Security Groups (NSGs), Azure Active Directory (Azure AD), **Key Vault**s, and **Application Gateways** through automated pipelines in Azure DevOps.
- Leveraged SAP Business Technology Platform (BTP) to manage and perform advanced operations on cloud applications and **SAP Cockpit**, onboarding **550+** enterprise clients onto the platform.
- Executed cost optimization strategies, utilizing Azure Cost Management dashboards, reducing cloud resource expenses by **2.5 crores (300,169 USD)** through real-time monitoring and optimization techniques.
- Administered and configured Layer 3 network switches, gateways, firewalls (**Checkpoint, Barracuda**), and protocols including TCP/IP and VLAN, to ensure robust network security and operational integrity.

Cognizant, India: AWS Cloud Intern   Jan 2021 – Apr 2021

- Migrated the PDF generation of Invoice from EC2 instances to a Server-less application on AWS Lambda leading to a **60 percent reduction** in overall Operational costs and CPU utilization.
- Coordinated with Key Stakeholders and Business Analysts to understand system requirements. Followed an agile development process to devise new solutions with prototypes.

Bare Logic Solutions Pvt Ltd, India: Web Developer Intern   Jan 2019 – Mar 2019

- Collaborated with the team to design and implement a new website according to the client's requirements. Worked on **HTML, CSS, Bootstrap, Php, JavaScript, MySQL**.
- Active participation in the development process through the entire software Lifecycle under Agile methodology and participated in weekly meetings with executives, supported brainstorming and idea generation.

PROJECT

Multi-Modal Deep Learning for Simultaneous Gender, Age, Emotion, and Mask Detection

- Developed deep learning models leveraging **convolutional neural networks (CNNs)** to accurately detect gender, estimate age, classify emotions, and recognize mask presence in real-time image and video data.
- Implemented state-of-the-art techniques in computer vision and machine learning, achieving robust performance in **multi-label classification** tasks for gender, age, emotion, and facial mask detection, contributing to advancements in automated perception systems.

CERTIFICATIONS

Certifications: Azure 104 (Microsoft Certification), Advanced Java (Coursera), AWS VPC and Networking in Depth (Udemy), Azure for Developers: API Management (LinkedIn)