SWARAJ CHANDRA REDDY M

Quick Learner | Self-starter | Enthusiastic
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SUMMARY

Proactive and versatile Computer Science graduate with expertise in software development, cloud computing, and AI-powered applications. Demonstrates rapid learning, strategic problem-solving, and fosters collaboration in dynamic environments. Committed to driving innovation and growing each day through continuous learning.

EDUCATION

Bachelor of Technology in Computer Science – **8.16 CGPA**
GITAM University 08/2021-04/2025 Hyderabad, India

Intermediate – **96%**
Narayana Jr College 06/2019-05/2021 Hyderabad, India

RELEVANT COURSEWORK

Computer Networks, Operating Systems, Data Structures, Artificial Intelligence, Agile Development, Software Engineering.

INTERNSHIP

AWS Cloud Intern - AICTE-Edu Skills 04/2024-06/2024

Mastered AWS cloud technologies during internship.

- Architected scalable and secure cloud solutions using EC2, S3, VPC, and IAM, ensuring 99.9% system availability and optimized resource performance.
- Automated infrastructure provisioning with CloudFormation and implemented serverless workflows using AWS Lambda, reducing deployment time by 40% and improving operational efficiency.
- Enhanced data storage and delivery by leveraging Amazon S3 and CloudFront, achieving a 30% improvement in data access speed and reliability.
- Ensured high availability and performance by implementing CloudWatch for monitoring and Auto Scaling, maintaining optimal system operation.

PROJECTS

Crop Disease Detection using Deep Learning 09/2024-01/2025

- The CNN model, trained using TensorFlow, achieves up to 95% accuracy in detecting crop diseases from images, processing over 50,000 plant images (Plant Village Dataset).
- Using ResNet50, the model improves disease classification accuracy by 10-15% over simpler CNN models, with a processing speed of 0.5 seconds per image.
- The web application, hosted on AWS, supports concurrent users, with image upload and disease detection results delivered in under 5 seconds.

Food Delivery Website Using React 06/2024-09/2024

- Built a user-friendly food delivery website using the MERN stack, prioritizing smooth navigation and a seamless experience that keeps users engaged.
- Used RESTful APIs for real-time order tracking and efficient cart management, delivering quick transaction responses and ensuring 98% reliability.
- Deployed the website on Vercel, ensuring it runs smoothly with 99.9% uptime, fast loading times, and the ability to handle a large pool of users simultaneously.

TECHNICAL SKILLS

Programming Languages	**:** Python, Java, C.
Full-Stack Development	**:** HTML5/CSS, React, JavaScript, MERN Stack, Node.js, REST APIs.
Database Management	**:** MySQL, PostgreSQL, MongoDB, DynamoDB.
Cloud & DevOps	**:** AWS (EC2, S3, VPC, CI/CD), Docker, Kubernetes, Terraform.
Project Management	**:** JIRA, Agile, Scrum.
Application Dev Skills	**:** GitHub, VS-Code, Linux, Bash, Serverless.

INTERPERSONAL SKILLS

Adaptability, Attention to detail, Communication, Collaborative, Problem solving, Leadership, Learning agility, Self-starter.

CERTIFICATIONS

IBM Full Stack Software Developer - Developed expertise in full-stack development, cloud computing, AI integration, containerization, microservices, and core software engineering.
DevOps on AWS - Gained proficiency in implementing DevOps methodologies to enhance application development, deployment, monitoring, and maintenance on the AWS Cloud.
AWS Foundations & Architecture - Learned to design and deploy scalable, fault-tolerant, and efficient cloud solutions.
Python Foundations & Data Structures - Acquired skills in Python programming, data structures, and foundational coding concepts.

LANGUAGES-PROFICIENCY

English - Advanced, **Hindi** - Native, **Telugu** – Native.