

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 – 8.2 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.

Personal Portfolio Website Using React

06/2024-09/2024

- Designed and developed a personal portfolio website using React, showcasing my skills, projects, and achievements with a modern, responsive layout.
- Integrated dynamic routing and smooth animations to enhance user experience, providing easy navigation across sections and a visually appealing interface.
- Deployed the website on Netlify, ensuring 99.9% uptime, fast loading times, and a smooth user experience across multiple devices.

TECHNICAL SKILLS

Programming Languages : Java, Python, C.

Full-Stack Development : HTML5/CSS, JavaScript, MERN Stack (React, Node.js, REST APIs).

Database Management : MySQL, PostgreSQL, MongoDB, DynamoDB.

Cloud & DevOps : AWS (EC2, S3, VPC, CI/CD), Docker, Kubernetes.

Project Management : JIRA, Agile, Scrum.

Application Dev Skills : GitHub, VS-Code, Linux, Microservices, Serverless, Gen AI, Flask.

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.

CORE JAVA - Achieved proficiency in Core Java Specialization, excelling in object-oriented programming, leveraging Java's comprehensive libraries, and crafting applications from foundational to advanced functionalities.

AWS Foundations & Architecture - Learned to design and deploy scalable, fault-tolerant, and efficient cloud solutions.

SQL & RDBMS - Completed a comprehensive course on Relational Database Management Systems (RDBMS) and SQL, gaining hands-on experience with DDL & DML operations, data retrieval, joins, and advanced query techniques using Microsoft SQL Server.

LANGUAGES-PROFICIENCY

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