SORNALATHA G

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Professional Summary

A proactive and detail-focused **B.E. Computer Science Engineering** graduate with solid knowledge in **Cloud Computing and Web Development**. Gained practical experience using **Visual Studio, AWS Console, and SQL Server Management Studio** through academic projects and certifications. Known for being a fast learner and a supportive team player, now seeking an entry-level role to apply technical expertise and grow within a dynamic work environment.

Technical & Soft Skills

- **Cloud Platforms:** AWS (EC2, S3, IAM, Lambda, VPC, RDS), Google Cloud Computing
- **Operating Systems:** Windows, Linux
- **Programming Languages:** Python, Java, C & C++, SQL, .NET, JavaScript
- **Tools & Technologies:** Git, SQL SMS, NoSQL, Interactive python notebook, Copilot
- **Soft Skills:** Problem-Solving, Teamwork & Collaboration, Communication, Time Management, Adaptability

Projects

1. AWS well architected Web Application Solution Design   Oct 2025

- As part of a cloud architecture assignment, I was tasked with designing a scalable and secure web application using AWS services aligned with the Well-Architected Framework.
- Create a detailed architecture that ensures high availability, fault tolerance, security, and cost optimization using core AWS components.
- Designed a solution using EC2, RDS, S3, and CloudFront, incorporating Auto Scaling, IAM roles, and Security Groups. Documented security strategies, multi-AZ deployment plans, and disaster recovery mechanisms. Provided recommendations for monitoring and cost control.
- Delivered a comprehensive architecture document and supporting plans that demonstrated strong understanding of AWS best practices. Received positive feedback for clarity, completeness, and practical application of cloud principles.

2. Early Detection of Forest Fire   Feb 2023

- Forest fires pose a major environmental threat, and early detection is critical to minimizing damage. Our team aimed to develop a smart detection system using AI technologies.
- Design a machine learning model capable of distinguishing between fire and non-fire scenarios using image datasets, with the goal of enabling early detection and alerting.
- Used Python and deep learning libraries (e.g., TensorFlow/Keras) to train models on cloud-hosted datasets. Pre-processed images, built CNN architectures, and validated model accuracy. Integrated cloud storage for scalable data access and testing.

- Achieved high accuracy in fire detection during testing, demonstrating the potential for real-time forest monitoring. Strengthened practical skills in ML, cloud integration, and Python-based model development.

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3. Event Management System using .Net Farmwork   **April 2023**

- As part of NTT Data's technical training program, I was assigned a project to simulate enterprise-level development using the .NET Framework.
- Build a functional Event Management System that allows users to create, manage, and register for events, with secure data handling and role-based access.
- Developed the application using ASP.NET (C#), SQL Server, and Visual Studio. Implemented modules for event creation, user registration, and admin control. Used ADO.NET for database connectivity and followed best practices in UI design and error handling.
- Delivered a working system within the training timeline and received positive feedback from mentors for code quality, functionality, and design.

Education

- **B.E Computer Science and Engineering (2023) – 85%**
  V.S.B College of Engineering and Technical Camous | Anna University | Coimbatore
- **HSC (2019) – 70%**
  Govt.Hr.Sec.School Madukkarai | TN State Board | Coimbatore
- **SSLC (2017) – 92%**
  Govt.Hr.Sec.School Madukkarai | TN State Board | Coimbatore

Certifications

- **AWS re/Start Graduate:** https://www.credly.com/badges/0133eeeb-b804-416f-9686-219ce3556c4c
- **AWS Cloud computing skill badges:** https://www.credly.com/users/sornalatha-g
- **Google cloud Computing Badges:**
  https://www.cloudskillsboost.google/public_profiles/07ea88f0-1990-4b1b-8162-a7e40e96ef17
- **.Net Training** - NTT DATA-HeadStart Completion certificate
- **C & C++ programming** - Internshala
- **Java Programming fundamentals** – Infosys Springboard
- **Python** – Guvi
- **TCS iON Career Edge** – Young Professional