# GAYATHRI N

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Computer Science graduate with AWS Solutions Architect certification from FITA Academy, skilled in Python, SQL, HTML, CSS, JavaScript, and cloud infrastructure. Experienced in deploying scalable applications using AWS and Terraform. Proven leadership in event organization and team collaboration. Seeking to leverage technical expertise in software and web development.

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## Education

**Bachelor of Science in Computer Science**
Srimad Andavan Arts & Science College, Trichy – 2024 (2021-2024)

CGPA-8.09

**Higher Secondary Education**
Seva Sangam Girls Higher Secondary School, Trichy – 2021 (2020-2021)

Percentage- 85%

**Secondary Education**
Seva Sangam Girls Higher Secondary School, Trichy – 2021 (2019-2020)

Percentage- 74.4%

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## Certifications

- **AWS Solution Architect** — FITA Academy
- **Cloud Foundations** — Great Learning
- **ReactJS** — Simplilearn
- **Excel** — Great Learning
- **Bootcamp on chatbot using NLP** — NoviTech
- **Bootcamp on Artificial Intelligence**— NoviTech
- **Bootcamp on Datascience on Power BI**— NoviTech
- **Workshop on AI dashboard using Power Bi**- Skill Nation
- **Beginner level Jenkins tutorial**-Great Learning

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## Technical Skills

## Programming Skills

**Python Programming (Intermediate)**: Proficient in writing scripts and developing applications, focusing on data structures and algorithms**.**

- **SQL Programming (Intermediate)**: Experienced in creating and managing databases, writing complex queries to extract and manipulate data.
- **Excel (Intermediate)**: Skilled in data analysis using functions, pivot tables, and data visualization.
- **HTML & CSS (Intermediate)**: Proficient in creating responsive web pages, ensuring cross-browser compatibility.
- **JavaScript (Intermediate)**: Skilled in dynamic web content, including event handling and DOM manipulation.
- **React.js (Beginner)**: Basic understanding of building user interfaces, including components and state management.
- **Git and GitHub (Beginner)**: Familiar with version control concepts for tracking changes and collaborating on projects.

## AWS Cloud

- **AWS Certified Solutions Architect – Associate** (if applicable): Validates expertise in AWS.
- **Hands-on Experience**: Developed and deployed scalable applications using EC2, S3, and Lambda.
- **Cost Management**: Familiar with AWS cost management tools to optimize resource usage and reduce expenses.
- **Security Best Practices**: Knowledge of IAM roles and policies for secure cloud environments.

## Terraform

- **Infrastructure Automation**: Created and managed infrastructure using Terraform, ensuring consistency across environments.
- **Module Development**: Developed reusable Terraform modules for streamlined resource provisioning.
- **Version Control Integration**: Integrated Terraform configurations with Git for collaborative infrastructure management.

## Shell Scripting

- **Task Automation**: Automated routine system tasks and backups, improving efficiency.
- **System Monitoring**: Created scripts for monitoring system performance and alerts for proactive maintenance.
- **Environment Setup**: Developed scripts for setting up development and production environments, reducing setup time.

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# Projects

1. **Project 1 E-Content in Student Portal**
   This Project is a real-time working project that is used in my college portal, I built it with the help of my project partner, and PHP & MySql are used.

2. **Project 2 E-Commerce Website**
   Website designed for online purchasing; I built this for a technical competition using technologies such as HTML, CSS, JavaScript, and references to ChatGPT.
3. **Project 3 Sales Dashboard**
   This showcases the sales data to date and was built for knowledge testing, utilizing Excel.
4. **Project 4 Infrastructure as a Code**
   Implementing infrastructure as code using Amazon Web Services (AWS), which simplifies the execution of large tasks, utilizing AWS Cloud and Terraform technologies.
5. **Project 5 Event Management**
   A localhost project developed using HTML,CSS& Js for frontend and PHP for backend and references with ChatGPT,Used XAMPP- Apache and Mysql server with Mysql database.

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## Volunteer Experience

### Event In-Charge
Srimad Andavan Arts & Science College — 2022-2024

- Led and organized over 30 events, enhancing teamwork and leadership skills.
- Successfully conducted inter-college competitions, achieving a hat-trick victory for the department

### NSS Volunteer & Head Girl
Srimad Andavan Arts & Science College — 2021-2024

- Participated in various awareness programs
- Worked in cleaning process
- Led a unit of girl volunteers with my lead team.

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## Additional Information

- Available for relocation
- Eager to start a career as an AWS Solution Architect -Associate, Software Development, Web Development.