

SUJAL PHAIJU

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SUMMARY

Motivated engineering graduate with a strong foundation in cloud computing and an AWS Certified Solutions Architect-Associate with hands-on experience with AWS services like EC2, S3, VPC, CloudFront, and Lambda. Passionate about building scalable solutions and pursuing a career as a Cloud and DevOps Engineer.

EDUCATION

Bachelor in Electronics, Communication and Information Engineering	May 2021 - May 2025
Kathford International College of Engineering and Management, TU Affiliated	
Higher Secondary Education (+2 Level)	Jun 2018 - Jul 2020
Southwestern State College	
Secondary Education Examination (SEE)	Apr 2013 - Mar 2018
Sainik Awasiya Mahavidyalaya - Sallaghari, Bhaktapur	

EXPERIENCE

Cloud Apprentice	Feb 2025 - Mar 2025
Adex International, Ekantakuna, Lalitpur - 44700	

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate
- AWS Cloud Quest: Cloud Practitioner
- AWS Academy Graduate - AWS Academy Cloud Foundations

SKILLS

- **Cloud Platforms:** AWS (EC2, S3, VPC, Cloud Formation, Code Pipeline, Lambda, API Gateway)
- **Programming Languages:** C, C++, HTML, CSS, Javascript, Bash scripting
- **Other Skills:** Linux, Networking, Docker, GitHub

PROJECTS

Personal Portfolio Website

- Developed a personal portfolio website and hosted it on Amazon S3 with static website hosting.
- Added a views counter feature using API Gateway, Lambda, and DynamoDB to track and display real-time website visit counts.
- Implemented a Contact Me form that uses API Gateway, Lambda, and Amazon SNS to send visitor messages directly to my email.
- Configured a CloudFront distribution as CDN with Origin Access Control and a custom SSL certificate and set up secure access policies to restrict S3 bucket access to CloudFront only.
- Registered a custom subdomain (portfolio.suzal777.online) using GoDaddy DNS.
- Mapped the subdomain to CloudFront via a CNAME record, enabling secure and optimized global delivery.

Automated EC2 Deployment with AWS CloudFormation and CodePipeline

- Integrated GitHub with AWS CodePipeline to automate EC2 deployment using a CloudFormation YAML template.
- On code updates, the pipeline auto-triggered a new deployment, replacing the EC2 instance.
- Demonstrated GitOps and IaC practices for consistent, version-controlled infrastructure.

VPC Peering and Transit Gateway

- Created multiple VPCs and connected them using VPC peering.
- Deployed EC2 instances in separate VPCs and checked the cross-VPC connections using ping command.
- Implemented an AWS Transit Gateway to interconnect VPCs more efficiently and reduce the complexity of multiple peering connections.
- Gained hands-on experience with routing tables, subnet configurations, and network troubleshooting in cloud environments

Multi-Modal Deep Learning For Mental Health Assessment

- Used Google Colab to deploy the AI model (VGG-16 for stress detection and Llama 2 for chatbot) and connected them to the website using backend APIs for real-time interaction.
- Built a website implementing image-based stress detection and chatbot for stress related conversations .

Mental Health Tracking Android App

- Designed an intuitive user interface to enhance usability and engagement.
- Built an android app implementing stress detection using a simple questionnaire and analytics.
- Used Firebase for real-time database integration and user authentication.

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- Participated in the AWS re:Invent (virtual event) organized by AWS User Group-Nepal.
- Participated in the DevOps Kathmandu Connect 2025 held in Islington College.
- Represented school in the 18th International Computer Olympiad held in Lucknow-India, competing in computer science-related challenge.
- Participated in the Awareness Workshop on Artificial Intelligence conducted by Charotar University of Science and Technology.
- Volunteered during the college sports week, helping organize events and served as a student representative for the Welcome and Farewell program, coordinating with peers and faculty for smooth event management.

LANGUAGES

- Fluent in Nepali
- Proficient in English, Hindi and Newari

INTERESTS

- Exploring advancements in cloud technologies and AI integration.
- Attending various tech events to stay updated and create network.