

# Bhawani Prasad sah

AWS CERTIFIED SOLUTION ARCHITECT

FULL STACK DEVELOPER(MERN)

Kathmandu, Nepal | +977-9812044994 | bsah5882@gmail.com | bhawaniprasadsah.com.np

## About

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AWS Certified Solutions Architect—Associate and MERN Stack Developer with hands-on experience in deploying applications on AWS Amplify and Nginx/Linux servers. Skilled in DevOps practices, CI/CD pipelines, Git/GitHub, and Agile (Scrum, Jira). Passionate about cloud computing and automation, with strong communication and collaboration skills. Currently seeking an opportunity as a DevOps Intern or in Cloud Engineering to apply my knowledge and contribute to impactful solutions.

## Training and Certifications

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<b>MERN Stack</b> Broadway Infosys, Kathmandu	<b>AUG 2024-NOV 2024</b>
<b>AWS Solution Architect Associate (Certified)</b> Amazon Web Services	<b>MAY-2025</b>
<b>AWS Certified AI Practitioner (Certified)</b> Amazon Web Services	<b>DEC -2025</b>
<b>DevOps for Beginners</b> Udemy	<b>AUG 2025- NOV 2025</b>

## Education

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<b>BE. Information Technology</b> Nepal College of Information Technology	<b>2021-2025</b>
<b>Higher Secondary (+2)</b> Mithila Institute of Technology	<b>2016-2018</b>

## Projects and Experiences

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### ❖ Project title: HealthAssist Pro: Integrated Breast Cancer Detection and Hospital Appointment Management System

Built a full-stack, role-based hospital management system integrated with an AI module for mammogram classification. Features include appointment and patient management, billing,

diagnostic reporting, and real-time doctor-patient communication. The AI module uses CNN/SVM models for benign–malignant detection with visual explainability.

**Tech:** React (TS), Tailwind, Next.js, Node.js, MongoDB, FastAPI, TensorFlow, scikit-learn, Socket.IO

† **Project title: Personal Portfolio Website**

Developed a fully responsive portfolio website showcasing skills, certifications, and projects. Includes animated UI components, structured content rendering, and pagination. Deployed on AWS for global access.

**Tech:** React, CSS, Framer Motion, AWS

† **Project title: Blogging Website - The Voice Canvas**

Created a dynamic MERN-based blogging platform supporting multi-user auth, CRUD blog operations, categorized posts, and a full comment management system. Includes user follow/unfollow and a responsive UI.

**Tech:** MERN Stack (MongoDB, Express, React, Node.js), JWT

† **Project title: - BookMyTicket.com**

Developed a streamlined ticket booking platform with user and admin modules. Includes bus route management, ticket booking/cancellation/updating, and automatic digital ticket generation.

**Tech:** PHP, HTML, CSS

## **Technical Experience**

† **Portfolio Website Deployment (AWS Amplify)**

- Deployed and managed a personal portfolio website using **AWS Amplify**, showcasing hands-on cloud hosting and deployment experience.
- Implemented version control and continuous updates through **GitHub integration**.

† **React App Deployment (Nginx using Linux VM on Aws Ec2 instance)**

- Deployed a React application on a Nginx server within a Linux-based AWS EC2 instance, gaining hands-on experience with server configuration and frontend hosting.

† **Git & GitHub (DevOps Collaboration)**

- Proficient in Git version control, including branching, merging, and conflict resolution.
- Experienced with GitHub collaboration through pull requests, forks, cloning, and project contributions.

† **Infrastructure as Code (IaC)**

- Designed and deployed AWS infrastructure using CloudFormation templates, including VPC subnets, EC2 instances, and S3 buckets, enabling automated and repeatable cloud deployments.

## † Application Deployment & Process Management:

- Deployed and managed Node.js applications using **PM2** for process management and **Nginx** as a reverse proxy, ensuring high availability, efficient request handling, and improved application performance on AWS EC2 instances.

## Skills

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### Cloud & DevOps

AWS (Amplify, EC2), Cloud Computing, Solution Architect (Associate Certified), CI/CD Pipelines, Nginx/Linux Server Configuration, DevOps Practices , Cloudformation

### Web & Software Development

Full Stack Development (MERN), HTML, CSS, JavaScript, React.js, SQL, REST APIs

### Version Control & Collaboration

Git & GitHub (branching, merging, pull requests), Agile & Scrum (Jira), Notion, Lucid Whiteboard

### Design & Content Creation

Canva, MS Word, PowerPoint, LaTeX

### Community Involvement

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#### Tech Communities:

AWS Emerging Talent Community- Member

AWS Builders Center-Contributor

#### Social Communities:

Blood For Nepal-Secretory

Leo Club of Janakpur Dham- 3<sup>rd</sup> VP

Leo District 325 F Nepal- Board Member

### Language

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Nepali

English

Maithili

Hindi

### Professional Links

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**LinkedIn:** <https://www.linkedin.com/in/bhawani-prasad-sah-b9020a300/>

**Portfolio Website:** <https://www.bhawaniprasadsah.com.np/>

**GitHub:** [BS55Script \(Bhawani Prasad Sah\) · GitHub](#)

**Credly:** <https://www.credly.com/users/bhawani-prasad-sah>

### Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.