BISWANATH SAH

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Education

NIST University	**2021 − 2025**
Bachelor of Technology — Computer Science and Engineering	*CGPA : 8.69*
Kendriya Vidyalaya	**2018 − 2020**
Higher Secondary — Science	*Percentage : 72.6%*
Kendriya Vidyalaya	**2018**
Matriculation	*Percentage : 82.3%*

Projects

TO-DO App Deployment using CI/CD Pipeline | *AWS EC2, Docker, Jenkins, GitHub Webhooks* **April 2025**

- Designed and automated a declarative CI/CD pipeline using Jenkins, Docker, and GitHub Webhooks, reducing manual intervention & deployment time for a Todo-App.
- Containerized App using Docker and deployed on AWS EC2 instances, ensuring scalable production-ready environments.
- Streamlined deployment cycles by integrating DockerHub as an artifact repository, reducing deployment time and optimizing the management and distribution of Docker images for faster, more efficient deployments.
- Automated application builds, image pushes, and remote deployments through Groovy scripts in Jenkins pipelines, achieved seamless updates with every code commit while reducing deployment time enhancing overall efficiency.

Static Website Hosting on AWS S3 using Terraform | *AWS S3, CloudFront, ACM, Route 53, Terraform* **May 2025**

- Built and automated a static website using Terraform to automate AWS S3 setup, reducing manual configuration by over 85% to 90% and improving deployment reliability.
- Integrated AWS Certificate Manager with CloudFront to enable HTTPS support, ensuring encrypted content delivery globally through a high-performance CDN, reducing latency and enhancing security.
- Mapped a custom domain using Route 53 to ensure reliable DNS routing and easy domain management, enhancing the site's accessibility.

Skills & Technologies

Programming/Scripting Languages: Python, HTML, CSS, SQL
Tools: Google Cloud, Amazon Web Services, Docker, GitHub, Jenkins, Terraform, Linux, Kubernetes
Soft Skills: Teamwork, Leadership, Problem-Solving, Strategic Thinking

Certifications & Training

Google Cloud Certified: Associate Cloud Engineer	*August 2025*
Microsoft Certified: Azure Fundamentals	*June 2025*
GCP DevOps Project – KodeKloud	*February 2025*
GitHub Foundation Certified	*July 2024*
Microsoft Certified: AI Fundamentals	*June 2024*
Architecting with Google Compute Engine	*December 2022*

Leadership / Extracurricular

Google Developer Group On-Campus	**2023 − 2025**

- Cloud and DevOps Lead, Facilitate Google Cloud Study Jam and Google Cloud Arcade Program off-campus, impacting 600+ participants by providing hands-on training and guidance on cloud computing as a **Google Cloud Facilitator**.

Data Science Club	**2022 − 2024**

- Took on leadership roles in planning and executing club initiatives, including workshops and events, to provide students with impactful technical learning experiences.