Akankshya Pattnaik

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Linkedin   **Portfolio**   **Github**   **Medium**

Summary

Final-year Computer Engineering student with a strong foundation in full-stack web development (MERN stack), cloud fundamentals (AWS), and DevOps. I have hands-on project experience with Designing and deploying a complete CI/CD pipeline on AWS, also experienced with deploying responsive websites. My technical expertise is complemented by strong leadership skills and a passion for collaborative problem-solving. I thrive in team environments and am always eager to take on new challenges and learning opportunities to build impactful solutions.

Education

- **B.Tech in Computer Engineering**, Silicon University, Bhubaneswar   *Expected: 2026*
  CGPA: 8.56

- **CBSE Intermediate,** MBS Public School, Bhubaneswar (2020-2022)   *Percentage: 80%*

- **CBSE Matriculation,** MBS Public School, Bhubaneswar (2019-2020)   *Percentage: 93.4%*

Technical Skills

Languages: C, Python, Java   **Cloud Platforms:** Amazon web services   **Data Analysis:** SQL, Pandas
Web Development: HTML, CSS, JavaScript, Node.js, React, Express.js, MongoDB, Postman API
Tools: Visual Studio Code, Git

Summer Internships

- **Devops Masters** ↗   *Ingenious TechWorld, June 2025 – July 2025*
  Completed a summer internship focused on DevOps and related concepts like creating full CI/CD pipelines using terraform and implemented through github actions.
  Gained in-depth experience with dockerization, containerization, clusters using Kubernetes, deployed resources through Terraform while implementing the best practices of DevSecOps .

- **MERN Stack** ↗   *CodeBeat, July 2024 – August 2024*
  Completed a summer internship focused on full-stack development using the MERN stack.
  Gained in-depth experience with authentication, web development, API integration.

- **AWS Masters** ↗   *Ingenious TechWorld, August 2023 – September 2023*
  Managed AWS services such as Load Balancers, Elastic Compute Cloud, Simple Storage Bucket S3, Virtual Private Cloudand Route53.

Projects

DevOps Project   **[View project]** ↗
Designed and deployed a complete CI/CD pipeline on AWS using Terraform, integrating CodePipeline, CodeBuild, and CodeDeploy with Terratest-based validation. Automated DevSecOps workflows using GitHub Actions, Trivy, tfsec. ImplementedKubernetes Sealed Secrets for secure and continuous cloud deployment.
Tech Stack: Docker, GitHub Actions, AWS EC2, Kubernetes, AWS EKS, AWS Secret Manager, Terraform

Personal Portfolio Website   **[View project]** ↗
A comprehensive showcase of my technical skills and project-based learning. Features a responsive design built from scratch and includes detailed descriptions of my projects in web development, cloud computing, and machine learning.
Tech Stack: MERN Stack, HTML, CSS, JavaScript

Just Imagine – AI text to image converter   **[View project]** ↗
Engineered a text-to-image AI web application with a responsive front-end and a robust back-end, enabling users to transform descriptive text into high-quality images.
Tech Stack: MERN Stack, HTML, CSS, JavaScript

AWS Cloud Architecture Project   **[View Project]** ↗
Designed and deployed a secure cloud infrastructure using AWS. Utilized EC2, VPC, Route 53, and IAM for compute, networking, and security. ImplementedKubernetes Sealed Secrets for secure and continuous cloud deployment.
Tech Stack: AWS EC2, Load Balancers, VPC, Route53, AWS certificate manager

Certifications

- NPTEL: Joy of Computing Using Python ↗ , Understanding Incubation and Entrepreneurship ↗
- Scaler: DBMS Fundamentals and Advanced Concepts ↗