

# Akankshya Pattnaik

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in [Linkedin](#) [Portfolio](#) [Github](#)

## 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 Cloud and 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. Implemented Kubernetes 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

### TraveloCity Clone

[\[View project\] 🔗](#)

Contributed in developing the Hotels catalogue page of the Travelocity website clone with various filters for searching and sorting to demonstrate front-end web development skills.

**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. Implemented Kubernetes 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 [🔗](#)