

Akankshya Pattnaik

📍 Silicon University, Bhubaneswar, Odisha, India

✉ akankshyapattnaik5@gmail.com

📞 8249010448

in [Linkedin](#) [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 Python and a passion for data engineering, eager to apply my skills and learn more about tools like Pandas, Spark, Jenkins, and Airflow to build robust data pipelines.

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

Predicting the likelihood of Divorce

[\[View project\]](#) [🔗](#)

Used machine learning algorithms to predict the likelihood of divorce based on a comprehensive dataset of relational and psychological features. Trained and evaluated supervised learning algorithms for binary classification: K-Nearest Neighbors (KNN), Logistic Regression, Support Vector Machines (SVM), Naïve Bayes Decision Tree. Model evaluation metrics like accuracy, precision, recall, F1 scores, ROC-AUC curves were implemented.

Tech Stack: Python, Pandas, NumPy, SciKit Learn, Kaggle Dataset

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 [🔗](#)