

# AKSHYA KUMAR PANDA

FULL STACK DEVELOPER (MERN) | CLOUD ENGINEER

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## PROFESSIONAL SUMMARY

Engineering-focused **Full Stack and Cloud Engineer** with strong foundations in **data structures, system design, and distributed systems**. Experienced in building **cloud-native systems**, internal tooling, and scalable web platforms using **Platform Engineering** principles. Proven ability to deliver **infrastructure automation**, improve **observability**, and leverage **AI-assisted development** to ship reliable, production-grade systems in fast-paced environments.

## EDUCATION

### NIST University

*B.Tech in Computer Science & Engineering | CGPA: 8.00/10*

Berhampur, Odisha

*Expected Mar 2026*

- Ranked in **Top 10%** of cohort; strong academic performance across core CS subjects.
- Relevant Coursework: Data Structures & Algorithms, System Design, Cloud Computing, Networking, Machine Learning.

## EXPERIENCE

### AiroboSoft Labs

*Trainee Software Engineer — Full Stack*

Bangalore, India

*Jun 2025 – Jul 2025*

- Engineered and deployed full-stack features using **React, Node.js, and MongoDB**, reducing manual operational workflows by **60%**.
- Implemented **JWT-based authentication** and CI/CD automation, improving deployment reliability and rollback safety by **40%**.
- Improved backend resilience through structured logging, error handling, and performance profiling across microservices.

### NIST University

*Data Science Intern — Python & ML*

Berhampur, Odisha

*Jul 2024 – Aug 2024*

- Developed and evaluated ML classification pipelines achieving **89%+ accuracy** with automated preprocessing and validation.
- Optimized ETL workflows using multithreading, reducing data processing latency by **35%**.

### Infosys Springboard

*Certified Python Trainee*

Remote

*Nov 2023 – Dec 2023*

- Built modular, testable Python applications emphasizing clean architecture, performance, and maintainability.
- Applied algorithmic optimization and systematic debugging to improve runtime efficiency and reliability.

## PROJECTS

### Trident Watchtower — AI-Driven Maritime Threat Intelligence Console

Nov 2025

- Architected a full-stack intelligence dashboard fusing live vessel tracks, geospatial analytics, and AI-driven threat scoring for real-time maritime monitoring.
- Built a **React + TypeScript** frontend with interactive maps and alert triage, backed by **Node.js, Express, and MongoDB** REST APIs.
- Integrated an AI analytics microservice (Node/Python) to detect anomalies and generate risk insights, improving operator response prioritization.

### PolyglotAI – AI-Integrated Language Learning Website

Jun 2025 – Aug 2025

- Built an intelligent multilingual platform integrating **AI, NLP, and speech recognition** for adaptive, gamified learning and real-time feedback.
- Engineered modular lessons with **spaced repetition, gamification, and progress dashboards** & Integrated **Google OAuth** and optimized REST APIs, improving authentication speed and data reliability by **35%**.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, C, C++

**Frameworks:** React, Node.js, Express, Redux

**Cloud & DevOps:** AWS, Docker, Linux, CI/CD Pipelines, Git

**Databases:** MongoDB, Firebase

**Core Concepts:** Distributed Systems, Scalability, System Reliability, REST APIs

## LEADERSHIP & ACTIVITIES

### Renewable Energy Club — NIST University

*Core Member | Inventory Head & Treasurer*

Odisha

*2023 – Present*

- Led logistics and budgeting for events involving **500+ participants**, improving resource utilization efficiency.
- Built a digital inventory tracking system, reducing record errors by **30%**.