

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 <i>B.Tech in Computer Science & Engineering CGPA: 8.00/10</i> <ul style="list-style-type: none">– 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.	Berhampur, Odisha Expected Mar 2026
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EXPERIENCE

AiroboSoft Labs <i>Trainee Software Engineer — Full Stack</i> <ul style="list-style-type: none">– 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.	Bangalore, India Jun 2025 – Jul 2025
NIST University <i>Data Science Intern — Python & ML</i> <ul style="list-style-type: none">– 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%.	Berhampur, Odisha Jul 2024 – Aug 2024
Infosys Springboard <i>Certified Python Trainee</i> <ul style="list-style-type: none">– Built modular, testable Python applications emphasizing clean architecture, performance, and maintainability.– Applied algorithmic optimization and systematic debugging to improve runtime efficiency and reliability.	Remote Nov 2023 – Dec 2023

PROJECTS

Trident Watchtower — AI-Driven Maritime Threat Intelligence Console <ul style="list-style-type: none">– 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.	Nov 2025
PolyglotAI — AI-Integrated Language Learning Website <ul style="list-style-type: none">– 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%.	Jun 2025 – Aug 2025

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 <i>Core Member Inventory Head & Treasurer</i> <ul style="list-style-type: none">– Led logistics and budgeting for events involving 500+ participants, improving resource utilization efficiency.– Built a digital inventory tracking system, reducing record errors by 30%.	Odisha 2023 – Present
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