

AMAN BAJPAI

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LinkedIn



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SUMMARY

Computer Science undergraduate with a strong foundation in software engineering, aspiring to become a DevOps and Cloud Engineer. Proficient in tools like AWS, Docker, Kubernetes, and Jenkins to build CI/CD pipelines, automate deployments, and manage cloud infrastructure. Skilled in Python and Bash scripting for workflow automation and infrastructure-as-code. Passionate about building secure, scalable, and efficient cloud-native solutions through DevOps best practices.

EDUCATION

KIIT University

B.Tech in Computer Science

Aug 2022 – May 2026

Bhubaneswar, India

Jesus and Mary Sr Sec School, Bikaner

Class XII

2021 – 2022

Bikaner, India

Jesus and Mary Sr Sec School, Bikaner

Class X

2019 – 2020

Bikaner, India

PROJECTS

Log File Generator and Analyzer

May 2025 – June 2025

- Developed a Python tool to generate and analyze **200+ synthetic system logs** mimicking real application activity.
- Achieved **98% timestamp parsing accuracy** using pandas and error-handled datetime conversion.
- Analyzed user activity, log levels, and time-series trends; computed **daily averages and spikes**.
- Built interactive plots using matplotlib to detect **log frequency patterns and anomalies**.
- Optimized for scalability with modular structure and future support for **real-time log ingestion**.

CI/CD Pipeline for Banking App

Jan 2025 – Feb 2025

- Developing end-to-end CI/CD pipeline using Jenkins, Docker, and Kubernetes for deployment automation.
- Configured automated testing, Docker builds, and Kubernetes rollouts, reducing release time by **60%**.

Automated Bank Statement PDF Analyzer

Dec 2024 – Jan 2025

- Built a parser in Python to extract and categorize transactions from bank PDFs.
- Reduced manual tracking workload by **70%** through accurate and structured automation.

Bank Management System

June 2024 – Aug 2024

- Designed and implemented a Python-based terminal banking system handling over **100+ simulated transactions**, including deposits, withdrawals, and balance checks.
- Used **file-based data storage and input validation** to maintain accurate account state across sessions.
- Achieved **95% transaction integrity** with proper error handling and input verification.
- Modularized codebase using OOP principles to support features like PIN authentication and transaction history.

SKILLS

- Languages:** Python, Java, SQL, Bash-Scripting
- Cloud/DevOps:** AWS, EC2, Docker, Kubernetes, Jenkins, CI/CD, Git, GitHub,
- Tools:** Linux, VS Code, GitHub, Jupyter Notebook
- Core Concepts:** OOP, Algorithms, OS, Networking, Agile Methodologies

CERTIFICATIONS

- AWS Academy Graduate – Cloud Foundations
- AWS Academy Graduate – Data Engineering
- Command Line in Linux – Coursera
- AICTE Virtual Internship – 2025 (ID: c9812fc02a8ad8af944a73e014773791)