

# MANAS GANTAIT

Kolkata, India

Portfolio

imgantait@gmail.com

LinkedIn

immanas



## PROFESSIONAL SUMMARY

- Final-year **Computer Science** student skilled in **Java, ANSI SQL, HTML, CSS, JavaScript, Python**, and cloud fundamentals (**AWS, GCP**), with projects like **GrowEasy** and **CloudGuard360**.
- Proficient in **DSA with Java** and building scalable backend solutions with **CI/CD pipelines, Docker**, and **Kubernetes**, targeting a **Programmer Analyst** role.

## TECHNICAL SKILLS

**Programming:** Python, Java, C, SQL, HTML, CSS, JavaScript

**Developer Tools:** VS Code, Cursor, IntelliJ IDEA Ultimate, Git, GitHub

– **Cloud & DevOps:** GitHub Actions, Jenkins, Docker, Kubernetes, Linux, CI/CD, AWS (EC2, S3, Lambda, IAM, EKS)

**Coursework:** DSA, OOPS, DBMS, Network Security, Operating System

## PROJECTS

**GrowEasy** | AWS Lambda, Python, DynamoDB, EKS, React

November 2024

- Designed serverless inventory forecasting for 1,000+ products with AWS Lambda and DynamoDB.
- Merged ETL pipelines with Lambda, DynamoDB, EKS, processing 10,000+ transactions/hour.
- Set up automated CI/CD with GitHub Actions, reducing deployment times by 60%.
- Deployed high-performance React dashboard visualizing thousands of streaming data points per hour, empowering operations teams with actionable insights in real time.
- Ensured high availability with real-time auto-scaling using AWS Lambda, ensuring uninterrupted service availability.

**CloudGuard360** | GCP-Cloud Functions, AWS Lambda, Terraform, Kubernetes (EKS), Docker

January 2025

- Architected cross-cloud, serverless cost anomaly detection (Lambda, EKS, Terraform); cut bills by 30%.
- Incorporated AI models to reduce cost spikes by 25%, saving an estimated \$2K/month in cloud billing.
- Implemented robust API security by designing fine-grained IAM policies and multi-factor authentication.
- Created a React dashboard for real-time cost anomaly tracking, reduced manual analysis time by 40%.
- Configured infrastructure provisioning and scaling using Terraform and Kubernetes (EKS), delivering improved resilience, faster deployments, and blended billing insights via AWS Cost Explorer, GCP Billing API, and CloudWatch.

**AutoShield** | AWS, Lambda, CloudWatch, EventBridge, DynamoDB, IAM

July 2025

- Developed a serverless security auditing tool to detect critical misconfigurations across multiple AWS services, including S3 buckets, EC2 ports, IAM policies, and storage encryption.
- Integrated Lambda and EventBridge for real-time monitoring.
- Centralized security logs in DynamoDB and provided real-time insights using CloudWatch dashboards.
- Enforced granular IAM policies for secure access and leveraged AWS X-Ray for end-to-end traceability and auditing.
- Automated secure deployments by integrating GitHub Actions with IAM role-based workflows and permission controls.

## Professional Experience

**AWS via Forage**

July 2025 - August 2025

*Solutions Architecture Intern*

*Virtual*

- Designed a simple, scalable hosting architecture using AWS services, optimizing for performance and cost-efficiency in a simulated enterprise environment.
- Applied cloud architecture principles to create reliable, fault-tolerant systems, incorporating best practices for scalability and resource management.
- Completed hands-on tasks simulating real-world AWS solutions, earning a certificate verifying proficiency in cloud infrastructure design.

**Accenture via Forage**

August 2025

*Software Engineering Intern*

*Virtual*

- Developed software architecture designs in a simulated consulting project, focusing on modular and secure system structures.
- Implemented programming, testing, and security protocols using agile methodologies to ensure robust, high-quality deliverables.
- Collaborated on virtual team tasks involving architecture, programming, testing, security, and agile processes, gaining industry-recognized certification in software engineering practices.

## EDUCATION

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**University Of Engineering And Management**  
*Bachelor of Science in Computer Science **CGPA - 7.15***

**Expected Graduation – July 2026**  
*Kolkata, India*

**Mohar BM High School**  
*10+2 Standard in Science **Percentage : 89.6%***




**September 2020 – April 2022**  
*Medinipur, India*

**Uchitpur Palli Pran High School**  
*10th Standard in Science - **Percentage : 88.7%***

**January 2014 – July 2020**  
*Medinipur, India*

## CERTIFICATIONS

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- **AWS Certified Solutions Architect – Associate** 
- **AWS Cloud Technical Essential** 
- **Industrial Project Management** 

## Achievements / Hackathons

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**University of Engineering and Management, Kolkata**

**2023 – 2025**

- Served as Student Coordinator who organized student events, ensuring smooth execution and engaging 200+ participants 

**CodeX 2.0 Hackathon – Finalist**

**2025**

*Panipat Institute of Engineering and Technology — Collaboration with Hackingly*

*Panipat, Haryana*

- Finalist among 500+ teams by developing the GrowEasy project, addressing a real-world retail forecasting problem.
- Designed & implemented hands-on, production-grade solution under time constraints, showcasing practical technical skills.
- Collaborated effectively with team members, ensuring timely project delivery and clear demonstration of impact during the hackathon.