

PAWAN JOSHI

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Education

Graphic Era Deemed to be University

B.Tech in Computer Science and Engineering

2024 – Present

CGPA: 8.67/10.00, Dehradun, India

Work Experience

Infosys Springboard

AI Engineering Intern

Dec 2025 – Feb 2026

Remote, India

- Built a stateful, multi-step agent framework in **LangGraph** that could break down complex tasks and run without manual intervention, landing around **80%** accuracy on task decomposition.
- Kept hitting context-overflow crashes on jobs that generated 10,000+ log lines. Fixed it by building a small virtual file system inside the agent runtime to hold intermediate state instead of the context window.
- Added **LangSmith** tracing across the pipeline for debugging, which helped push multi-step production runs above a **70%** success rate.

Projects

AWS Student Builder Platform & Portal | *React, Node.js, AWS S3, CloudFront, DynamoDB* Jun 2026 – Aug 2026

- Built and deployed a serverless campus platform on AWS (S3, CloudFront, DynamoDB) that now serves **450+** registered builders across **200+** institutions in **35+** countries.
- Set up multi-tenant login (Google OAuth + JWT), an automated check for CLF-C02 certification claims, and a gamified XP/streak system to keep members coming back.
- Tuned CDN delivery through CloudFront invalidations and split the DynamoDB indexes (GSIs), which got API latency under 100ms even during traffic spikes.

ARTAMS: Real-Time Attendance System | *C, AWS EC2, Nginx, FastCGI, Hash Tables* Sep 2025 – Nov 2025

- Wrote the backend in C using hash tables for O(1) lookups and the Haversine formula to catch GPS spoofing attempts; held up to 100% integrity through testing.
- Deployed it on an AWS EC2 instance (Ubuntu 24.04) behind Nginx, exposing FastCGI REST APIs so multiple clients could hit it concurrently without issues.

Technical Skills

Languages: C, C++, Java, Python, JavaScript, HTML/CSS

Backend & Agent Frameworks: Django, LangGraph, LangChain, LangSmith, REST APIs

Cloud & DevOps: AWS (EC2, S3, IAM), Git, GitHub

Core CS: Data Structures & Algorithms, Object-Oriented Design, Distributed Systems fundamentals

Positions of Responsibility

AWS Student Builder Group – Founding Leader

Amazon Web Services

Nov 2025 – Present

Graphic Era University, Dehradun

- Founded and lead campus's first AWS Student Builder Group, and put together a curriculum on EC2, S3, IAM, and serverless architecture for **400+** members. Also mentored **300+** students through hands-on GCP labs as a Google Cloud Arcade Facilitator.

Achievements & Certifications

- **AWS Certified Cloud Practitioner** – Amazon Web Services (Jul 2026)
- **Google Cloud Generative AI Leader Certification** (Jul 2026)
- **Nebius Academy:** Agentic AI Builder & AI CloudOps Engineer Certifications (Jul 2026)
- **Amazon ML Summer School 2026**
- **AWS New Voices Cohort**
- Finalist at **Graph-E-Thon 2.0** and **3.0**