

Swayam Awasthi

LinkedIn: www.linkedin.com/in/swayamawasthi

Email : swayampandit35@gmail.com

Github : <https://github.com/swayamawas>

Mobile : +91 9555669284

SKILLS

Languages : C++, Python, Java, C, DSA, MySQL
Tools/Platforms: Geeks for Geeks (GFG), Apache Cloud Stack, AWS, Neo Colab, LeetCode, Docker
Soft Skills : Problem-Solving, Effective Communication, Adaptability, Decision-Making

PROJECTS

Polynomial Addition using LinkedList | C++, DSA (Linked List), HTML, CSS | [LINK](#) Jun'2025 – Jul'2025

- Implemented polynomial addition in C++ using singly linked lists, ensuring efficient dynamic memory management and node operations.
- Optimized polynomial handling by structuring terms with linked lists and pointers.
- Built robust insertion, traversal, and additional algorithms to handle polynomials of various degrees, along with optimizing time complexity for polynomial operations.

AI-Based Resource Allocation | Python, Scikit, NumPy, Pandas | [LINK](#) Apr'2025 – May'2025

- Developed an AI-driven system that forecasts CPU, memory, and disk usage using machine-learning models.
- Integrated reinforcement learning-based dynamic resource allocation with auto-scaling for improved efficiency.
- Deployed real-time monitoring dashboards using Prometheus, Grafana, and Flask to enhance system visibility.

Currency Converter | Python, HTML, CSS, VS Code | [LINK](#) Mar'2025 – Apr'2025

- Created a web-based application in Python with HTML and CSS for real-time currency conversion.
- Handled backend currency rate calculations using Python to ensure accurate conversions.
- Designed a responsive front-end with clean UI/UX principles to improve user accessibility.

TRAINING

Lovely Professional University Jun'2025 – Jul'2025

Fundamental of Data Structures using C++

- Engineered a C++ program for polynomial addition using singly linked lists with efficient memory handling.
- Applied data structure concepts (linked lists, dynamic node creation, and pointer manipulation) to represent and process polynomial terms accurately.
- Constructed robust insertion, traversal, and addition algorithms to handle polynomials of varying degrees and optimized time complexity for polynomial operations.

CERTIFICATES

Problem-Solving (Intermediate) | *Hacker Rank* Jan'2026

Introduction to Cloud Computing | *Coursera* Sep'2025

Introduction to Artificial Intelligence | *Coursera* Sep'2025

TCS ion Career Edge | *TCS* Jun'2023

ACHIEVEMENTS

Achieved 4-Star rating in Java on Hacker Rank. Feb'2026

Achieved 5-Star rating in C++ on Hacker Rank. Sept'2025

Reached the final round of Hack-a-Verse 2024 among 400+ participants, showcasing teamwork and innovation. Mar'2024

EXTRA CURRICULAR ACTIVITIES

Registered Delegate Participant – AI Impact Summit 2026: insights into applied AI and industry trends Feb'2026

Contributed to a community development project with HelpAge India dedicated to elder care and support. Jun'2024

Competed at the District level in badminton and secured a 3rd-place. Dec'2021

EDUCATION

Lovely Professional University Phagwara, Punjab

Bachelor of Technology, Computer Science and Engineering; CGPA: 6.64 Aug'2023 – Present

Morning Star Children's Academy

Intermediate Orai, Uttar Pradesh

PCM; Percentage: 75.6% Mar'2021 – May'2022

Morning Star Children's Academy

Matriculation Orai, Uttar Pradesh

Percentage: 81.8% Mar'2019 – Apr'2020