YASH AGARWAL  
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## **Professional Summary**

Results-driven AI & Software Engineering enthusiast with strong expertise in Python, Machine Learning, and AWS. Proven track record in developing scalable applications, optimizing ML models, and automating cloud deployments, improving efficiency by 20% in project environments.

## **Technical Skills**

Languages: Python, C++, JavaScript, HTML, CSS  
Frameworks/Tools: Flask, AJAX, Docker, Kubernetes, Git, Figma  
Cloud/DevOps: AWS (EC2, Lambda, RDS), Docker, Kubernetes, Linux  
Databases: MongoDB, MySQL  
Other Skills: OOP, API Development, Automation, Agile Development

## **Work Experience**

Internship Trainee | LinuxWorld Informatics Pvt. Ltd  
Jaipur, Rajasthan, India | Jul 2024 – Aug 2024

- Gained hands-on experience in DevOps with Docker, Kubernetes, and AWS services.  
- Developed and deployed cloud-based applications using Flask APIs.  
- Built a Flutter-based mobile application integrating backend services.  
- Deployed a multi-functional utility app on AWS, reducing manual operational time by 30%.  
- Enhanced backend API performance, improving response times by 15%.

Internship Trainee | Learn and Build  
Jaipur, Rajasthan, India | Aug 2023 – Sep 2023

- Developed AI-powered robotics solutions using Arduino and IoT technologies.  
- Designed and implemented automation solutions for smart city applications.

## **Projects**

AI-Powered Mental Health Platform – Manasmitra  
- Developed an AI-driven support system for mental healthcare.  
- Integrated scalable cloud architecture using AWS and Kubernetes, handling 1,000+ concurrent users efficiently.  
  
Smart Dustbin & Line Follower Bot  
- Created IoT-based automation solutions using Arduino and sensor-based technology.  
- Improved waste management efficiency with automation features.  
  
Flask API for ML Model Deployment  
- Deployed machine learning models via RESTful Flask APIs on AWS.  
- Optimized response time and improved model inference efficiency.

## **Education**

Bachelor of Technology (B.Tech) – Artificial Intelligence & Data Science  
Arya College of Engineering, Jaipur, India | 2022 – 2026

## **Certifications**

MongoDB Certification – Aug 2024  
Data Structures & Algorithms Masterclass – Sep 2024  
Internship in Generative AI & Machine Learning – Oct 2024  
Python Programming Training – GUVI IITM Research Park – Dec 2023