Shivam Aggarwal

Email: ashivam179@gmail.com
Mobile:+91 7015809456

LinkedIn: Shivam Aggarwal
Location: Haryana, India

Education

- **Chitkara University** — Rajpura, Punjab, India
  Bachelor of Engineering: Computer Science — Aug 2026(expected)
  Specialization in Artificial Intelligence
  Courses(till 6th Sem): Python, C++, Machine Learning, Deep Learning, Applied Soft Computing, Data Analytics, Design Analysis of algorithm, Machine vision, NLP, SQAT, Optimization Techniques, Data Structures, Operating Systems in Linux, OOPs using JAVA, Database Management, Internet of Things, Modern Web Programming, Applied Probability and Random Processes, Vedic Mathematics

- **Government Model Senior Secondary School Sector 27-C (CBSE)** — Chandigarh, India
  12th Non-Medical

Skills Summary

Computer Vision • Project Management • Machine Learning • Power BI • Computer Networking • Internet of Things (IoT) • Embedded Systems • Arduino • Business Analytics • Python Programing • Data Structure Algorithm • Frontend Development

Projects

AniSense – Animal Behavior Analysis
- Developing an AI-driven system for the analysis on the behavior of animal in the controlled environment for the research purpose. To visualize the impact of different environment on animals.

Jatayu – Autonomous Drone for Rescue Operation
- Developed an AI-driven system for the rescue operation during Disaster to detect the victims and survivors for smooth and effective rescue. With the use of computer vision- high-resolution cameras, edge computing devices, and automated to ensure the minimum no. of causalities. Created real-time monitoring and control system for the drone and rescuers.

Quality Control System and Vision-Based Defect Detection AI and Automation, Textile Materials
- Developed an AI-driven quality control system for fabric manufacturing using computer vision and Deep learning (TensorFlow, PyTorch) to detect and classify defects in real-time. Leveraged high-resolution cameras, edge computing devices, and automated sorting to enhance production efficiency and product quality. Created an intuitive UI for real-time monitoring and control.

Research and Patents

- Patent — AUTONOMOUS DISASTER MANAGEMENT SYSTEM
  Patent Number: IN .202411097000 A.   Filed Dec 09, 2024

- Patent — CONTAMINATION AUTO-ALERT SMART WATER BOTTLE
  Patent Number: IN .202411074086 A.   Filed Sep 30, 2024

- Patent — GEO-FENCING BASED TRANSPORT VEHICLE MANAGEMENT SYSTEM
  Patent Number: IN .202411017091 A.   Filed Mar 09, 2024

Achievements

- Hackforge L&T Edutech Hackathon Winner 2025
  Received Trip to L&T Edutech HQ in Chennai . By solving the real world problem in circuit designing.

- Smart India Hackathon 2024 Winner Dec 2024
  Received Prize Money of 1 lakh rupees from AICTE, NIC , Government of India. By developing a Drone for disaster rescue operations.

- PHOSPHENS annual flagship event April 2024

    Received Prizes worth rupees 1.5 lakhs from Coding Ninjas CUIET, through participation in Phosphens organized by Coding Ninja and sponsored by Airtel.

- Thrive-a-Thon 2.0 Oct 2023
    Received the third prize in AI hackathon in which we have to provide the ML based Solution using python.

Professional Experience

- Executive-IT & Support Intern — Voizmed Pharma Private Limited   April 2024 - Present
    Developing Web Interface for industry, enhancing production efficiency and product promotion.

Volunteer Experience

- Executive Head — Evolve AI Student Chapter   Jun 2023 – Dec 2024
    Responsible for the club activities, coordinating events, ensuring the smooth functioning of teams.

- Graphics Head — Design Thinking Student club   Feb 2023 – Feb 2024
    Responsible for the club promotional content and all the Social post. Event Poster,
    Banner etc.

- Graphic Designer — Coding Blocks Student Branch   Jan 2024 - Jun 2024
    Actively participating, learning Designing skills & time and team management.