SHIVAM AGGARWAL

Email: ashivam179@gmail.com

Mobile: +91 70158-09456

LinkedIn: Shivam Aggarwal

Location: Kalka, Haryana, India

Award-winning computer science student (AI specialization) with 3 filed patents and strong proficiency in data analytics and machine learning. seeking to apply technical expertise in Python, Power BI, and research analysis to deliver data-driven solutions in a dynamic corporate environment.

SKILLS

- Data Visualization
- Machine Learning
- Python Programming
- Computer Vision
- OCR
- Data Science
- React/Node.js
- Research
- NLP
- SQL
- Django
- Automation
- Product Development
- Power BI

KEY 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.

PROFESSIONAL EXPERIENCE

Jr. Research Analyst, GreyB Analytics Pvt Ltd.   **Aug 2025 - Dec 2025**

- Conducting comprehensive prior art searches and patent invalidation.
  to draft detailed reports and claim charts to map patent claims against potential prior art references.
- Collaborating with senior analysts to formulate search strategies and refine keyword strings for database queries.

Executive-IT & Support Intern, Voizmed Pharma Private Limited   **April 2024 - July 2025**

- Developing web interfaces for industry applications, directly enhancing production efficiency and streamlining product promotion.
- Applying technical solutions to support business operations and optimize workflow processes.

EDUCATION

Bachelor of Computer Science Engineering in Artificial Intelligence   **Aug 2022 - Aug 2026**

Chitkara University, Rajpura, Punjab

PROJECTS

- **Quality Control System (Textile Materials) | Industrial Application Engineered:** AI-driven defect detection system using TensorFlow & PyTorch for fabric manufacturing, integrating high-resolution cameras with a real-time dashboard to automate sorting and enhance production efficiency.
- **Jatayu: Autonomous Rescue Drone | Smart India Hackathon Winner 2024:** Developed a disaster management system using edge computing to detect victims in real-time, receiving ₹1 lakh from the Govt. of India for minimizing casualties during rescue operations.
- **AniSense: Behavioral Analysis AI | Research Project:** Designed an ML-driven system to quantify animal behavior in controlled environments, facilitating data visualization for biological research and environmental impact studies.

RESEARCH AND PATENTS

- Autonomous Disaster Management System: IN.202411097000A
- Contamination Auto-Alert Smart Water Bottle: IN.202411074086A
- Geo-Fencing Based Transport Vehicle Management System: IN.202411017091A

VOLUNTEER EXPERIENCE

- **Executive Head:** Evolve AI Student Chapter   **Jun 2023 – Dec 2024**
- **Graphics Head:** Design Thinking Student club   **Feb 2023 – Feb 2024**
- **Graphic Designer:** Coding Blocks Student Branch   **Jan 2024 - Jun 2024**