AKSHAT SHARMA

+91-7311112246 ● akshats070205@gmail.com ● LinkedIN ● GitHub

SUMMARY

B.Tech AI-ML student skilled in Python, TensorFlow, and Azure with a strong foundation in machine learning, cloud deployment, and software development. Eager to contribute to scalable AI solutions and grow as an entry-level developer.

EDUCATION

United Institue of Technology, Prayagraj   July 2023 - Present
Bachelor of Technology (Artificial Intelligence and Machine Learning)
SGPA - 8.67

EXPERIENCE

Asian Institute of Technology, Bangkok   August 2025
Intern
- Selected as **1 of 10 students out of 300+** peers in college to represent United Institute of Technology at the prestigious Global Innovation Internship Camp.
- Attended **8+** intensive workshops covering **10+** emerging technologies including **IoT, GIS, Prompt Engineering, and Medical Robotics**, and applied them to real-world case studies.
- Collaborated and worked with students from **multiple countries**, gaining global exposure, interdisciplinary teamwork experience, and advanced analytical skills.

Edunet Foundation   April 2025 - May 2025
Intern
- Completed **Microsoft Azure AI** Fundamentals certification and built a Sign Language Detection System, integrating **machine learning algorithms** with cloud infrastructure.
- Performed data preprocessing on **5,000+** samples, executed multiple training iterations, and deployed the solution on Azure Cloud for real-time AI-driven gesture recognition.
- Acquired practical expertise in cloud-based deployment, computer vision, and applied machine learning, boosting model accuracy to **90%+** while ensuring scalability, reliability, and efficiency.

PROJECTS

Sign Language Detection - Python, Mediapipe, TensorFlow, NumPy, OpenCV, and LSTM
- Designed and deployed a real-time AI solution achieving **95% accuracy** in gesture recognition after processing **5,000+** video frames and training a deep learning architecture with **5+ layers** and **100+** hidden units.
- Built a live video inference pipeline and deployed it on Azure Cloud, enabling instant recognition and translation of **20+** distinct sign language gestures with high reliability.
- Enhanced accessibility by delivering inclusive communication tools for hearing-impaired individuals, reducing misclassification rates by **30%** compared to baseline models.

Flappy Bird Game - Python, PyGame, OOP
- Designed and implemented an interactive **2D game** with a **1,000+** line structured codebase, applying object-oriented programming (classes, inheritance, encapsulation) for modularity and scalability.
- Built a game loop running at **60+ FPS** to manage real-time user input, **collision detection**, and rendering, ensuring smooth and responsive gameplay.
- Delivered a visually engaging, optimized replica of the classic Flappy Bird, demonstrating expertise in algorithm design, graphics programming, and real-time event handling in Python.

SKILLS

Programming Languages: Python, C, C++, Java (Core), JavaScript, HTML/CSS
Frameworks & Tools: Mediapipe, Pygame, TensorFlow (basic), Scikit-learn, Git, GitHub, VS Code
Concepts: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Machine Learning
Soft Skills: Analytical Thinking, Collaboration, Communication

CERTIFICATIONS & ACHIEVEMENTS

- Certified in **Python for Data Science**, **Java with Collections**, and **UI/UX Design**, demonstrating strong programming and design fundamentals.
- Attended multiple **technical workshops** and events including **DevFest** and **Global Innovation Internship Camp**, gaining exposure to emerging technologies and collaborative problem-solving.
- Participated in renowned hackathons such as **Smart India Hackathon (SIH)** and **Code for Bharat**, and contributed to multiple **open-source projects** on GitHub.
- Achieved **2nd** position in B.Tech 1st year for academic excellence at United Institute of Technology.