


# Sanskar Khandelwal

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in sanskar-khandelwal —  sanskaryo

## 1 Education

### B.Tech in Computer Science (Specialization in AIML and IoT)

Expected Graduation: May 2027

GLA University, Mathura, India

CPI: 8.61

## 2 Experience

### AI and Cloud Technologies Intern

June 2024 - July 2024

Edunet Foundation — IBM SkillsBuild — Remote

- Completed 4-week program focused on AI and Cloud Computing using IBM Cloud, Watsonx, and Watson Studio.
- Developed projects: computer vision system, price prediction model, and AI chatbot with Twilio API integration.
- Earned IBM certifications in machine learning and generative AI.
- Strengthened AI fundamentals and skills in cloud-based AI deployment with expert guidance.

## 3 Projects

### Kavach (ADAS Prototype)

April 2024

Raspberry Pi, Python, OpenCV, Sockets, IoT Sensors

- Led 4-member team to create ADAS prototype, achieving 90% accuracy in driver drowsiness detection.
- Integrated IoT sensors for monitoring gas, alcohol, and sound alerts.
- Developed obstacle detection, lane assistance, and automated stopping features.
- Streamlined backend communication using socket-based notifications.

### Document RAG Q&A System

Oct 2024

Python, Streamlit, LangChain, Groq, FAISS, LLaMA 3

- Built RAG-based Q&A system, improving response time by 40%.
- Implemented vector embeddings with FAISS for efficient retrieval from 10+ documents.
- Developed an interactive Streamlit interface with 95% response accuracy.
- Integrated LLaMA 3 via Groq API for 2x faster inference speeds.

### Customer Churn Prediction Using ANN

Sept 2024

Python, TensorFlow, Keras, Streamlit, Scikit-learn

- Developed ANN model with 86% accuracy for churn prediction in the banking sector.
- Applied data preprocessing techniques to enhance model performance.
- Built a Streamlit application, boosting user engagement by 40%.
- Optimized ANN architecture for a 15% improvement in prediction speed.

## 4 Technical Skills

**Languages:** Java, Python, SQL, JavaScript, CSS, MongoDB, C

**Tools:** Git, GitHub, Bash, Raspberry Pi, VS Code, Postman, Jupyter Notebooks, Arduino, Canva, Co-pilot

**Libraries:** NumPy, Matplotlib, Scikit-Learn, OpenCV, Generative AI, Selenium, Beautiful Soup

**Professional:** Effective Communication, Adaptability, Leadership, Problem Solving

## 5 Achievements & Certifications

- Winner, Top Startup Idea, Startup Expo 2024, GLA University (April 2024)
- First Prize, Tech Exhibition for "Sarv" Rover Project, GLA University (January 2023)
- Solved 100+ DSA problems on LeetCode and CodeForces in Java
- Open Source: Successfully merged 4 pull requests during Hacktoberfest 2024
- Certifications: Python for Data Science (IBM), Machine Learning (DeepLearning.AI)

## 6 Extracurricular Activities

### General Secretary, Google Developer Group, GLA University

- Organized tech events for 500+ students, built community of 1000+ members

### Social Media Head, GeeksforGeeks Chapter, GLA University

- Grew online presence by 100% through Gen AI and programming content