

Sahil Khan

☎ 9785845847 ✉ sahilkhan782466@gmail.com 💻 sahilkhan7 🌐 sahilkhan-7 🌐 sahilkhan.vercel.app
Jaipur, Rajasthan

Final-year BTech student skilled in Machine Learning, Deep Learning, and Data Analysis. Proficient in Python, SQL, and Power BI, with hands-on project experience and strong problem-solving abilities. Seeking a dynamic data science role.

EDUCATION

Bachelor of Technology in Computer Science, Rajasthan Technical University, Jaipur *2021 - Present*
Current CGPA: 8.5/10

Senior Secondary Education (Class 12), AVN School, Jaipur *2019 - 2021*
Percentage: 94%

Secondary Education (Class 10), AVN School, Jaipur *2018 - 2019*
Percentage: 87%

EXPERIENCE

Data Science Intern *Jaipur, Rajasthan*
Learn and Build

- Analyzed e-commerce sales data using SQL and Python, identifying key trends that improved product tracking and market performance by **20%**.
- Developed Power BI dashboards, built predictive models and recommendation systems using machine learning, achieving **85%** accuracy and reducing reporting time by **30%**.

TECHNICAL SKILLS

Technologies: Statistical Analysis, Machine Learning, Deep Learning, Data Analysis, Computer Vision, Natural Language Processing (NLP), Generative AI, Transformers, Large Language Models (LLMs), RAG

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, OpenCV, NLTK, Flask, Transformers, Langchain

Programming Languages: Python, SQL, C++, HTML/CSS

Tools & Platforms: Power BI, Tableau, Excel, Git

PROJECTS

RAG BASED CHAT BOT *link: <https://bit.ly/4g2yTOK>*

- Built an AI document chat system using **RAG** architecture, **Llama** and open-source models, and **FAISS** vector database for intelligent PDF document conversations.
- Developed an efficient document processing pipeline with **LangChain** and PyPDF2 for optimal retrieval.
- Created a Streamlit app with multi-document upload, real-time chat history, and token usage monitoring to enhance user experience.

VEHICLE DAMAGE DETECTION & REPAIR COST ESTIMATION *link: <https://bit.ly/3DDpW14>*

- Engineered a YOLO-based model for detecting vehicle damage, achieving **94%** precision with over **16,000** annotated images.
- Streamlined repair cost estimation, cutting manual processing time by 40% and enhancing insurance claim workflow.
- Developed a full-stack application with a robust user interface for seamless image uploads and real-time damage assessment, enhancing user experience by 30%.

CRIME SECTION RECOMMENDATION SYSTEM *link: <https://bit.ly/4gFtfDz>*

- Developed an **NLP**-based recommendation system to suggest relevant legal sections with 90% accuracy, integrating a database of 5,000+ legal sections for fast retrieval.
- Created an interactive Tkinter GUI to search and access legal sections, reducing search time by 50% and improving efficiency for legal professionals.

AMAZON SALES ANALYSIS WITH POWERBI DASHBOARD *link: <https://bit.ly/3PC5zDY>*

- Analyzed Amazon sales data to uncover trends and identify top regions, products, and areas for improvement.
- Developed an interactive Power BI dashboard to visualize insights for sales optimization.

AWARDS & RECOGNITIONS

- Achieved top ranks in **10th** and **12th**-grade exams with distinctions; recognized in local media for academic excellence.
- Participated in multiple AI and ML hackathons, developing innovative solutions under time constraints, gaining hands-on experience in rapid prototyping.

CERTIFICATIONS

- Data Science and Machine Learning by GeeksforGeeks
- Data Science Certification by Learn & Build
- Data Analytics Certificate by LinkedIn & Microsoft