

# Sahil Khedar

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## PROFILE SUMMARY

Final-year B.Tech CSE student at University of Engineering & Management, Jaipur, skilled in Python, AI, and data engineering; proven through projects and internships, seeking an AI/Python Developer role at Provis Technology. Experienced in developing AI-driven applications with expertise in machine learning, GUI development, and data analytics. Strong problem-solving skills and recognized for leadership in academic and research settings, eager to contribute to innovative projects.

## EDUCATION

<b>University of Engineering &amp; Management, Jaipur</b>	2022 – 2026
B.Tech, Computer Science & Engineering	71%
<b>APS Science School, Sikar</b>	2022
12th Grade	72.40%
<b>APS Science School, Sikar</b>	2020
10th Grade	67.67%

## TECHNICAL SKILLS

- Languages:** Python, Java, C, SQL
- Technologies:** Machine Learning, Tkinter (GUI), Jupyter Notebook, Google Colab, Git/GitHub
- Soft Skills:** Leadership, Communication, Problem Solving

## PROJECTS

<b>Advance Jarvis GUI with Full Functionality</b>	2025
• Developed a voice-activated assistant using Python that executes local machine commands. Used Tkinter for GUI development.	
• Implemented voice recognition algorithms to optimize command processing speed in Jarvis GUI.	
• Tested system robustness to handle a wide range of user voice commands with high reliability.	
<b>Research Paper: American Sign Language Recognition System</b>	2025
• Developed a real time ASL recognition system converting hand gestures into text for accessible communication.	
• Conducted extensive testing and debugging to ensure robustness of ASL recognition system across variations in gestures.	
• Researched cutting-edge techniques in computer vision and deep learning to improve model accuracy.	
<b>Generate Human Faces Using DCGAN</b>	
• Built a DCGAN model using TensorFlow to generate realistic human face images from random noise.	
• Trained the generator and discriminator networks on a face dataset to learn key facial features.	
• Improved image quality over epochs by optimizing GAN loss functions during training.	

## INTERNSHIPS

<b>AICTE Eduskill AWS Data Engineering Virtual Internship</b>	Jan – Mar 2025
• Learned cloud foundation concepts and data engineering principles during a 10-week virtual internship.	
• Collaborated in a cross-functional team environment during internship to solve real-world data engineering challenges.	
• Enhanced understanding of cloud architecture and best practices through practical AWS projects.	
• Applied machine learning concepts to improve predictive accuracy and data quality in projects.	
<b>AI, IoT, ML and Data Analytics Study Program and Internship</b>	Singapore, 10 Days
• Gained practical exposure to AI, IoT, ML, and data analytics concepts. Presented research paper at the National University of Singapore panel.	
• Developed international presentation skills by delivering technical content to a global audience.	
• Learned to adapt and apply theoretical knowledge to hands-on training sessions and collaborative projects.	

## ACHIEVEMENTS & CERTIFICATIONS

- Two-time gold Medalist in Tech fest
- Two-time Winner, E-Sports (BGMI)

- AWS Data Engineering (AICTE Eduskill)  
Python for Data Science (NPTEL)