

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

University of Engineering & Management, Jaipur	2022 – 2026
B.Tech, Computer Science & Engineering	71%
APS Science School, Sikar	2022
12th Grade	72.40%
APS Science School, Sikar	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

Advance Jarvis GUI with Full Functionality	2025
<ul style="list-style-type: none">• 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.	
Research Paper: American Sign Language Recognition System	2025
<ul style="list-style-type: none">• 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.	
Generate Human Faces Using DCGAN	
<ul style="list-style-type: none">• 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

AICTE Eduskill AWS Data Engineering Virtual Internship	Jan – Mar 2025
<ul style="list-style-type: none">• 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.	
AI, IoT, ML and Data Analytics Study Program and Internship	Singapore, 10 Days
<ul style="list-style-type: none">• 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

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| • Two-time gold Medalist in Tech fest | AWS Data Engineering (AICTE Eduskill) |
| • Two-time Winner, E-Sports (BGMI) | Python for Data Science (NPTEL) |