



SHARMILI GANGULY

ASPIRING AI & MACHINE LEARNING ENGINEER

PROFESSIONAL SUMMARY

Computer Science professional with a strong foundation in teaching and a passion for Artificial Intelligence, Machine Learning, and Deep Learning. Completed M.Tech in Computer Science with expertise in Python, TensorFlow, CNN architectures, data preprocessing, and web technologies.

EXPERIENCE

Assistant Professor, Swami Vivekananda University, Barrackpore, West Bengal
Sep 2026 – Present

- Teaching undergraduate students in Computer Science and related subjects.
- Preparing lecture notes, presentations, and study materials.
- Guiding students in academic projects, seminars, and research activities.
- Mentoring students and contributing to department initiatives.

Private Tutor – Tutor Signature Institute (Prior Experience)

- Teaching Computer Science and IT subjects.
- Guiding students in programming, networking, and technical concepts.
- Developing analytical and problem-solving skills among students.

PROJECTS

Melanoma Skin Cancer Detection Using Deep Learning

- Developed a skin cancer detection model using ResNet50 and MobileNetV2.
- Applied preprocessing and data augmentation techniques to improve accuracy.
- Worked on medical image analysis using Python and TensorFlow.

Animation Development in Multimedia

- Designed and developed multimedia-based animations using graphic and animation tools.
- Worked on visual effects, motion graphics, and interactive media concepts.
- Applied creativity and multimedia techniques for educational/entertainment purposes.

INDUSTRIAL TRAINING

15 Days Industrial Training at WEBEL ARROW (SMPS)

Training on Cloud Computing and Android Application Development.

PUBLICATIONS

Presented the paper titled “Machine Learning Technique for Skin Lesion Analysis and Melanoma Cancer Detection” in the Management Doctoral Research Colloquium (MDRC 2025), organized by NIT Durgapur.

CONTACT

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SKILLS

- Python
- Machine Learning
- Deep Learning
- TensorFlow
- CNN Concepts
- HTML & Web Designing
- Computer Networks
- Operating Systems

EDUCATION

M.Tech in Computer Science
(Techno Main Saltlake)
2024-2026
CGPA- 8.45

B. Tech in Information
Technology
(St. Thomas' College of
Engineering & Technology)
2012-2015
DGPA 8.0

Diploma in Electronics &
Telecommunication
(Women's Polytechnic
Chandernagore)
2009-2012
Percentage - 81.4%

LANGUAGES

- Bengali
- Hindi
- English