



Sanjana Mehta

Artificial Intelligence | Machine Learning Developer

As a Python and AI | ML Developer, I bring a unique blend of creativity and strategy to every project. Whether it's Python or AI/ML, I love crafting solutions that stand out and deliver results. I believe in thinking outside the box, pushing boundaries, and always learning something new!

SKILLS

Languages & Framework-
Python, C, C++, Java,
Dart, Flutter

Technologies-Machine
Learning, Deep Learning,
DataScience, Natural
Language Processing,
Data Structures and
Algorithms

Tools & Platforms-Jupyter
Notebook, API

INTERESTS

Technical Interests-Machine
Learning & AI, Python,
Android Development.

Leisure Interests-Sketching,
Mandala Art, Black Art,
Reading.

LANGUAGES

English : -
Native / Bilingual Proficiency

Hindi : -
Full Professional Proficiency

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Rehti Road Budhni,
Narmadapuram,
India

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EDUCATION

Bachelors of Technology in Computer Science with a
specialization in Artificial Intelligence and Machine Learning.

Uttarakhand Technical University
12/09/2022-Present

Roorkee Uttarakhand | cgpa-8.0+

Senior Secondary Education

Shantiniketan Montessori Senior Secondary School
03/2020-03/2021 Narmadapuram| 94.8%

Secondary Education

Shantiniketan Montessori Senior Secondary School
03/2018-03/2019 Narmadapuram| 94.8%

WORK EXPERIENCE

Machine Learning Intern
Jena Software
2023

Achievements/Tasks

- As a **Machine Learning Intern** at Jena Software, I work on **data preprocessing, model development, and performance evaluation** to build efficient ML solutions. I collaborate with the team to fine-tune algorithms using **Python, TensorFlow, and Scikit-learn**, ensuring real-world applicability. This internship enhances my hands-on experience in **AI and data-driven problem-solving**.

CERTIFICATES

Python (08/2023)

Issued by
Guvi Foundation partnered with Google.

Python for Data Science (06/2023)

Issued by IBM on 27 June 2023

Data Science and Machine Learning (06/2023)

Issued by YBI Foundations

AI | ML Virtual Intern Eduskills

04/2024 - 06/2024

Achievements/Tasks

- I have completed a 10-week AI/ML Virtual Internship , where I gained hands-on experience in machine learning, deep learning, and data analysis . Throughout the program, I worked on real-world projects involving data preprocessing, model building, and performance optimization using tools like Python, TensorFlow, and Scikit-learn . The internship enhanced my skills in AI-driven problem-solving, model evaluation, and algorithm implementation , preparing me for industry challenges.

PERSONAL PROJECTS

VoiceTask AI: A Smart AI Voice Assistant for Hands-Free Task Execution

- Developed a Python-based voice assistant that executes tasks using speech recognition and NLP.
- Performs actions like opening applications, web searching, sending emails, and playing music.
- Increased task execution speed by 70%, reducing manual effort for repetitive tasks.
- Built using Python, Speech Recognition, and Pyttsx3 for seamless voice control.

Automated Email Sender – GUI-Based Python Application

- Built a GUI-based email automation tool using Tkinter and the SMTP library.
- Allows users to input recipient emails, subject, and message, then send bulk emails with one click.
- Supports SMTP authentication for secure email delivery and includes attachment functionality.
- Processed and sent 500+ emails in under 2 minutes, reducing manual effort by 90%.
- Improved email delivery success rate by 98% through secure authentication mechanisms.

Face Recognition Attendance System: Automating Secure Identity Verification

- I am presently designing a Face Detection and Recognition System using OpenCV to automate attendance marking.
- Trained on 1000+ facial samples per individual for accurate recognition.
- Leveraged Haar cascades, LBPH (Local Binary Pattern Histogram), and OpenCV's face recognition techniques.
- Achieved 95%+ accuracy in facial recognition, minimizing false positives.
- Reduced manual attendance effort by 80%, improving efficiency and security.