

Shivam Kumar

Data Science — AI & Machine Learning

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PROFESSIONAL SUMMARY

B.Tech Computer Science student specializing in Data Science, AI & Machine Learning, with hands-on experience in Python, data preprocessing, EDA, statistics, and machine learning. Experienced in developing AI-driven applications using NLP, Computer Vision, and deep learning techniques. Strong foundation in data analysis, model evaluation, problem-solving, and cloud technologies for practical ML solutions.

Skills And Expertise

- **Languages:** Python, HTML, CSS
- **Data Science & Statistics:** Data Preprocessing, EDA, Data Visualization, Probability, Statistics,
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn
- **AI & Machine Learning:** Machine Learning, Deep Learning, NLP, Computer Vision, PyTorch, TensorFlow, Scikit-learn
- **Frameworks:** Django, Streamlit
- **Cloud & Databases:** Microsoft Azure, AWS, Firebase, SQL, MongoDB
- **Tools:** Git, GitHub, Linux

Education

Teerthanker Mahaveer University, Moradabad, UP, India

2023 – 2027

Bachelor of Technology (B.Tech) in Computer Science, Artificial Intelligence, Machine Learning and Deep Learning

Work Experience

OctaNet Services Pvt. Ltd.

Dec 2024 – Feb 2025

Python Developer Intern

Bangalore, India

- Developed Python scripts that automated data preprocessing and cleaning, reducing preprocessing time by 90% for machine learning pipelines.
- Evaluated machine learning models and maintained project code using Git-based version control practices.
- Assisted in analyzing datasets and supporting machine learning experiments using Python.

Loan112

Jun 2025 – Aug 2025

Software Testing Engineer Intern

Gurugram, Haryana, India

- Executed manual and automated testing to identify functional defects and improve application quality and reliability.
- Investigated reported defects, validated fixes, and maintained structured QA documentation throughout the testing lifecycle.
- Collaborated with the development team to track issues and support software quality improvements.

Projects

TruthLens | AI-Powered Fact-Checking & Verification Platform

2026

- Built a multimodal AI fact-checking platform for analyzing claims from text, images, screenshots, and documents using NLP and Computer Vision techniques.
- Designed an evidence-driven verification workflow involving data extraction, online research, evidence analysis, and source-based result generation.

FormFixer AI | AI Guidance for Form Filling

2025

- Developed an AI-based tool using Python and NLP techniques to process complex form questions and generate contextual guidance.
- Applied natural language processing to provide clear, actionable guidance for understanding and completing forms.

Nimbus AI | Real-Time AI Weather Prediction and Analytics

2026

- Developed a real-time weather forecasting system using Python, machine learning models, data analysis, and live meteorological APIs.
- Implemented multi-parameter data analysis for temperature, humidity, and precipitation with automated severe weather alerts.

Achievements & Certifications

- **Secure Azure AI Services** – Microsoft (Aug 2024)
- **Introduction to Programming Using Python** – Great Learning (Mar 2023)
- **Elite NPTEL Certification in Introduction to Machine Learning** – IIT Kharagpur
- **Finalist, Smart India Hackathon (SIH) 2025** – Innovative problem-solving project