Vishesh Saxena

Nationality: Indian | **Sex:** Male | **Phone:** (+91) 7007690568 (Mobile) | **Email:** visheshsaxena29@gmail.com | **Website:** https://vishesh29.github.io/Portfolio-Vishesh/ | **Website:** https://github.com/Vishesh29 | **LinkedIn:** https://www.linkedin.com/in/visheshsaxena73/ | **Address:** 6/658 Vikas Nagar, Sector-6, 226022, Lucknow, India (Home)

ABOUT MYSELF

A Data Scientist with 4+ years of expertise in building scalable applications and leveraging supervised and unsupervised machine learning and deep learning techniques for model training and optimization along with demonstrated track record in developing real-time computer vision solutions using frameworks like OpenCV, Keras, and Pytorch.

WORK EXPERIENCE

FIS – PUNE, INDIA

DATA SCIENTIST – 10/04/2025 – CURRENT

Leveraged LLM models and prompt engineering to translate user stories into automated test cases, streamlining quality assurance workflows and significantly reducing development cycles.

LTIMINDTREE – PUNE, INDIA

SENIOR DATA ENGINEER – 18/11/2024 – 04/04/2025

- Developed agentic frameworks using LangChain, enhancing AI-driven response generation efficiency by 25%, leading to more intelligent and context-aware applications.
- Implemented agentic systems with LLaMA and Mistral models to translate natural language prompts into executable SQL queries and logical flows, achieving 60% accuracy and improving user interaction with data systems.

FUTOPS TECHNOLOGIES INDIA PRIVATE LIMITED – PUNE, INDIA

SENIOR SOFTWARE ENGINEER – 22/11/2021 – 15/11/2024

- Developed a Smart Traffic System using YOLO in Pytorch and C++ with 69% accuracy for real-time anomaly detection, traffic jam identification and vehicle speed monitoring.
- Implemented multi-person pose estimation using OpenCV DNN module, C++, and MySQL, leveraging deep learning for real-time human movement tracking and analysis.
- Developed HTTP live streaming with Nginx to ensure smooth media delivery and real-time data transmission, achieving a latency of 10-12 seconds.
- Developed an automated server monitoring system using OpenCV for object detection, color segmentation, and pattern recognition, achieving 80% accuracy in LED status detection.

INFOSYS LIMITED – BENGALURU, INDIA

SYSTEM ENGINEER – 08/02/2021 – 18/11/2021

Development of Interactive Voice Response project which plan, design, track, and modify IVR-enabled telecommunications systems to meet the needs of clients.

EDUCATION AND TRAINING

08/08/2016 – 22/09/2020 Noida, India
BACHELORS OF TECHNOLOGY - JSS Academy of Technical Education

Field of study Electronics and Communication Engineering | **Final grade** 8.16 |

Thesis Machine Learning Approach for Breast Cancer Early Diagnosis.

01/04/2014 – 31/05/2015 Lucknow, India
SENIOR SCHOOL CERTIFICATE EXAMINATION - Kendriya Vidyalaya Aliganj

01/04/2012 – 30/05/2013 Lucknow, India
SECONDARY SCHOOL EXAMINATION - Kendriya Vidyalaya Aliganj Lucknow

SKILLS

Machine Learning ｜ Deep Learning, ｜ Windows OS

Programming Languages

Python ｜ Shell | Shell Scripting ｜ SQL ｜ C++ ｜ MATLAB ｜ C

Frameworks

OpenCV ｜ PyTorch ｜ TensorFlow ｜ Back-end (Flask, Django) ｜ Keras ｜ Frameworks & Libraries: OpenCV, Sci-kit learn, NumPy, Pandas, SciPy, Matplotlib.

Database Knowledge

MySQL ｜ PostgreSQL and MariaDB ｜ MongoDB

Softwares

Git ｜ Docker/Docker-compose ｜ MATLAB/simulink ｜ Nginx

OS Knowledge

Linux ｜ Windows

PUBLICATIONS

2021
[Machine Learning approach for Breast Cancer Early Diagnosis](#)

Mangesh, Sangeeta, Vishesh Saxena, Utkarsh Tripathi, and Yamini Gupta. "Machine Learning Approach for Breast Cancer Early Diagnosis." In Industry 4.0, AI, and Data Science, pp. 109-121. CRC Press, 2021.

Authors: Sangeeta Mangesh, Vishesh Saxena, Yamini Gupta, Utkarsh Tripathi ｜ **Journal Name**: Industry 4.0, AI, and Data Science ｜ **Volume, Issue and Pages**: chapter 7|13 pages ｜ **Publisher**: Taylor and Francis Group

RECOMMENDATIONS

Sangeeta Mangeesh Manager

I recommend Vishesh Saxena, a talented and aspiring student whom I mentored in his study of engineering. He stood out most especially in showing initiative and curiosity in Machine Learning and Robotics.I mentored his final-year project in detecting breast cancer, which was later published with Taylor & Francis.

Email sangeetamangesh@gmail.com ｜ **Phone** (+91) 9810334904

Abhinav Agarwal Founder & CEO

I recommend Vishesh Saxena, who fulfilled his responsibilities in a sincere and disciplined manner. He maintained a professional attitude and contributed to various assignments as part of the engineering team.

Email myhr@futopstech.com ｜ **Phone** (+91) 9871772294