

# MOHAMMED VASIM

AI ENGINEER | DATA SCIENTIST

## CONTACT:

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- [github.com/md-vasim](https://github.com/md-vasim)
- [md-vasim.github.io](https://md-vasim.github.io)
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## SKILLS

- Programming: Python, JavaScript, C/C++
- Deep Learning: Neural Networks, CNNs, RNNs, Natural Language Processing, Computer Vision, Transfer Learning, PyTorch, TensorFlow
- Generative AI: Large Language Models, Large Vision Models, Fine-tuning LLMs, LLM Quantization, LLM With RAG
- Machine Learning: Regression, Classification, Clustering, MLflow
- Prompt Engineering: Zero/One/Few shot learning, Chain of thought reasoning, Chaining prompts, ReAct, PAL
- LLM Frameworks: LangChain, LlamaIndex, EmbedChain, Deepstack
- Cloud Computing Services: Amazon Web Services, Microsoft Azure, Google Cloud Platform
- Data Analysis & Frameworks: Statistical analysis, Hypothesis testing, Pandas, NumPy, Matplotlib, Seaborn
- Model Evaluation: Cross-Validation, Performance Matrices
- Feature Engineering: Feature Scaling, Dimensionality Reduction
- Version Control: Git, GitHub, DVC
- Web Development: FastAPI, Flask, Django, Express.js, Bootstrap, HTML, CSS
- Software Engineering: Agile Methodology, Collaboration Tools
- Communication: Data Storytelling, Technical Documentation

## EXPERIENCE

- **COMPUTER VISION ENGINEER (2023-2024):**
  - **Scaled Real-Time AI Surveillance Application For SAIL:**
    - Use cases: Object detection, classification, intersection, counting, occlusion analysis, logic development, and image processing
    - Tasks: Logic Planning & Development, Modeling, Dataset Preparation
    - Languages & modules: Python, Bash Scripting, OpenCV
    - Models: YOLOv7, ResNet
    - Data Streaming Tools: RabbitMQ
    - Databases: MySQL, Redis
    - Version Control: Git, GitHub
    - Deployments: Production, UAT servers, Docker
    - Debugging: Log Analysis
  - **Scaled Real-Time AI Surveillance Application For Vedanta:**
    - Use cases: Real-time object detection and logic development.
    - Tasks: Log analysis for object availability respective to time
    - Tools: Python, Pandas
- **FREELANCER (2022-2023):**
  - **AI, LLM, and RAG applications:**
    - ExplorePDF
    - ExploreSheet
    - NewsSummarino
    - AlanAI
    - Text Summarization
    - Chicken Disease Classification
  - **Tools:** Python, TensorFlow, PyTorch, Transformers, LLMs, Openai, LangChain, Vectorstore databases, Git, GitHub, GitHub actions, Gradio, Docker, GCP, Huggingface Spaces, Linux
  - At CogniZeal, ChatGPT Warriors by iRead (NGO)
- **COMPUTER TRAINER (2022-2023):**
  - Managed 2 batches in 2 years
  - Course: Diploma in computers by NEILIT & NCPUL
  - At Samdani Educational Society

## PROFILE:

Experienced AI engineer and Data Scientist with 1 year of hands-on proficiency in advanced analytics and machine learning techniques. Skilled in designing and implementing effective AI solutions to address business challenges.

## EDUCATION:

- **FULL STACK DATA SCIENCE**  
2022-2023  
Self-paced
- **BACHELOR OF COMMERCE (Computers)**  
2020-2023  
Osmania University, Hyderabad
- **DIPLOMA IN COMPUTER APPLICATIONS**  
2021-2022  
NIELIT & NCPUL
- **FAZIL DEGREE**  
2020-2023  
Jamia Nizamia, Hyderabad

## COURSERA:

- Generative AI With Large Language Models
- Deep Learning Specialization
- Mathematics For Machine Learning & Data Science Specialization

## ACHIEVEMENTS:

- **SMOOTH CAREER TRANSITION:**  
*Demonstrated adaptability by transitioning from Bachelor of Commerce (Computers) to Data Science & AI/ML in 3 months, showcasing rapid skills acquisition and determining in navigating the landscape of Data Science & AI/ML.*

## PERSONAL INFORMATION:

- Languages: English, Arabic, Urdu, Hindi
- Address: Gachi Bowli, Hyderabad, Telangana - 500081

## ACCOMPLISHMENTS

- **DeepLearning.AI PROGRAMS (Short Courses):**

*Highlighting my pursuit of knowledge, I achieved proficiency in distinct areas through participating in the programs conducted by DeepLearning.AI.*

- Building Systems with the ChatGPT API
- Finetuning Large Language Models
- ChatGPT Prompt Engineering for Developers
- LangChain for LLM Application Development
- LangChain: Chat with Your Data
- Large Language Models with Semantic Search
- Evaluating and Debugging Generative AI Models Using Weights and Biases
- How Diffusion Models Work
- Understanding and Applying Text Embeddings with Vertex AI
- Building Generative AI Applications with Gradio
- Reinforcement Learning From Human Feedback
- Quantization Fundamentals With Hugging Face
- Prompt Engineering For Vision Language Models
- AI Agents In LangGraph

- **DATABRICKS ACADEMY:**

*Mastered Generative AI through comprehensive training, embracing its potential to revolutionize content creation, code generation, and customer service. Databricks certified Generative AI Developer, equipped to lead in an evolving technological landscape.*

- **iNeuron (Community Sessions):**

*With determination and enthusiasm, I completed a comprehensive series of Live & Complete Mega Community Sessions conducted by Krish Naik, Co-Founder & CIO at iNeuron e-learning platform.*

- Machine Learning
- Deep Learning
- Statistics for Data Science
- Natural Language Processing

- **REMARK SKILL EDUCATION:**

- *Completed Online Internship with Remarks Skill Education on Artificial Intelligence.*
- *Empowered by the completion of AI/ML workshops, enhancing proficiency in state-of-the-art technologies and strategies.*

- **COURSERA:**

- Generative AI With Large Language Models
- Deep Learning Specialization
- Mathematics For Machine Learning & Data Science Specialization

- **UDEMY:**

- Machine Learning, NLP, MLOps

- **PROGRAMMING HUB (Google Developers Launchpad):**

*Pleased to share that I completed the following certifications from the Programming Hub Online Platform.*

- Data Science
- Artificial Intelligence
- Machine Learning
- Big Data Analytics
- Statistical Analysis
- Python
- Python for AI/ML
- Natural Language Processing
- Computer Vision
- SQL
- MongoDB
- Git & Docker
- C & C++
- JavaScript, CSS, HTML
- Bootstrap

- **KAGGLE CERTIFICATES:**

*Thrilled to announce the successful completion of a comprehensive suite of certificates from KAGGLE, showcasing my dedication to excellence and continuous learning.*

- Intro to Deep Learning
- Intermediate Machine Learning
- Intro to Machine Learning

## REFERENCES

- *The references will be shared upon request.*

Attest that the information furnished above is true and accurate to the best of my knowledge and belief.

Date:  
Place:

Signature