

Shabbir. M Tashrifwala

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About Me:

I am a dedicated student with a consistent academic record. I've always been fascinated by understanding how and why things work, especially in the world of technology and artificial intelligence. My journey so far has been defined by an analytical mindset, consistent academic performance, and an eagerness to explore how artificial intelligence can shape the world. I aspire to contribute to innovative research that combines analytical thinking with creative problem-solving

Education:

St. Mary's ISC, Mumbai

April 2024 – March 2026

- Grade 10: 92.8 %
- Grade 11: 92.9 %
- **Predicted Grade 12 (ISC) Score: 95.8 %**

Projects:

- I. **Adversarial Robust Deepfake Detection ([View Project](#))**
Built an adversarially-trained deepfake detector robust to manipulation attacks, maintaining high accuracy on both clean and adversarially-modified videos by focusing on natural facial features.
- II. **Churn Prevention with Survival Analysis and Next Best Action ([View Project](#))**
Built a churn prediction system that forecasts both which customers will leave and when, automatically generating personalized retention recommendations through daily batch processing and real-time API.
- III. **ASL Fingerspelling to Text ([View Project](#))**
ASL fingerspelling-to-text system using 3D pose tracking and neural networks to automatically translate hand gestures into written English.

Technical Expertise:

Programming Languages:

C, C++, Java, Python

Frameworks & Libraries:

PyTorch, TensorFlow, NumPy, pandas, scikit-learn, OpenCV

Core Concepts:

Data Structures and Algorithms in C++, Standard Template Library (STL)

Tools/Platforms:

Jupyter Notebook, Google Colab

Olympiads:

Indian National Artificial Intelligence Olympiad (IIIT-Hyderabad):

- Second Runner-up, INAIO (Top 10 in India)
- Selected for IOAI Training Camp (Top 22 in India)

**Extra Curricular
Activities::**

Certifications & Specializations:

- Machine Learning Specialization by Andrew Ng
- Deep Learning Specialization by Andrew Ng
- Fast.ai by Practical Deep Learning for Coders

Leadership:

- School Leader: Appointed as representative of the student body
- Event Head: Immaculata, Mumbai's largest interschool cultural festival
- Team Leader: EUMIND International Exchange led winning team for Best Article Award

Sports Achievements:

- Silver Medal - State-level Karate Tournament
- Represented India in International Karate Tournament held in Philippines

Areas of Interest:

Artificial Intelligence, Machine Learning, Deep Learning, NLP, Computer Vision, Data Science, Generative Models, Reinforcement Learning

References:

Dr. Srujana Merugu
Member, INAIIO Committee
Vice President, ACM IKDD