

# YUVAL MEHTA

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## Education

**SVKM's Narsee Monjee Institute of Management Studies**

**2019 - Present**

*Bachelor of Technology in Computer Science*

*Mumbai, India*

## Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Computer Architecture
- Data Mining
- Machine Learning
- Data Science
- Deep Learning
- Natural Language Processing
- Computer Vision

## Experience

**JM Financial Ltd**

**July 2024 – November 2024**

*Machine Learning/Data Science Intern*

*Mumbai, Maharashtra*

- Automated KYC processes using computer vision and deep learning models, cutting processing time by **40%**.
- Engineered OCR models, expediting document verification by **30%**.
- Applied Python, TensorFlow, and OpenCV to enhance model performance, boosting accuracy by **20%**.
- Executed data preprocessing and feature extraction, resulting in a **25%** increase in model efficiency.
- Integrated ML solutions into the KYC system, elevating overall efficiency by **25%**.

**IEEE SPS Student Chapter, IIT Kharagpur (Remote)**

**July 2024 – August 2024**

*Machine Learning Intern*

*Kharagpur, West Bengal*

- Analyzed and interpreted theses and codebases, providing critical insights for research development.
- Conducted experiments to validate research findings, facilitating successful academic publications.
- Contributed to writing research papers, improving the clarity and quality of academic submissions.

**Kenmark ITAN Solutions**

**December 2022 – May 2023**

*Backend Developer Intern*

*Mumbai, Maharashtra*

- Designed **APIs** for MELO, MSC Job Portal, and Medical Mandi, enhancing integration efficiency by **30%**.
- Led QA initiatives, increasing system reliability by **20%**.
- Optimized backend performance with Node.js, achieving a **25%** improvement.
- Streamlined SQL and MySQL databases, cutting query times by **15%**.
- Utilized GitLab for version control, enhancing team collaboration and project tracking.
- Administered Linux servers, ensuring a **99%** uptime for web applications.

## Projects

**NewsGenius** | Python, Pytorch, Streamlit, NLTK, Transformers, Scikit-learn

**April 2024**

- \* Developed a system for translating, summarizing, and analyzing sentiment of articles in **7 different languages**.
- \* Achieved **95% accuracy** in translation and **90% precision** in text summarization using advanced NLP techniques.
- \* Implemented sentiment analysis to track public opinion trends with **92% accuracy**.

**FashionForge** | Python, TensorFlow, NumPy, Kaggle, Streamlit

**March 2024**

- \* Created a GAN to generate Fashion MNIST-like images with **90% accuracy** in classification.
- \* Optimized image quality by **20%** through evaluation of different optimizers.
- \* Developed an interactive webpage using Streamlit to demonstrate generated images.

## Technical Skills

**Programming Languages:** Python, JavaScript, SQL, C, C++, Java

**Frameworks/Libraries:** PyTorch, TensorFlow, Scikit-learn, Django, Flask, Node.js, Express.js, NumPy, Pandas, Matplotlib, OpenCV

**Databases:** MySQL, PostgreSQL, SQLite, MongoDB

**Tools:** VS Code, Jupyter, Kaggle, Git

## Publications

**IEEE APCIT 2024**

*Title: Examining Different Machine Learning Approaches for Predicting Diabetes in the Early Stages*