

YUVAL MEHTA

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Education

NMIMS - Mukesh Patel School of Technology, Management and Engineering

2019 - Present

Bachelor of Technology in Computer Science (Integrated 6-year Program)

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

Libraries: Scikit-learn, NumPy, Pandas, Matplotlib, OpenCV, NLTK, SpaCy, SciPy

Frameworks: PyTorch, TensorFlow, Django, Flask, Express.js

Databases: MySQL, PostgreSQL, SQLite, MongoDB

Tools: VS Code, Jupyter, Kaggle, Git, Power BI

Publications

IEEE APCIT 2024

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