

SHIKHAR GUPTA

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EDUCATION

Bachelor Of Technology Computer Science and Engineering

2021 - 2025

Vellore Institute Of Technology, Bhopal, GPA:7.88

SKILLS

Technical Skills: Python, Deep Learning, Machine Learning, SQL, HTML5, CSS3, JavaScript

Certification: Google Data Analytics, Artificial Intelligence and Machine Learning Powered by Google Developers, Applied Machine Learning in Python, Generative AI for Everyone.

WORK EXPERIENCE

ML Developer

June 2024 - July 2024

Navodita Infotech

Remote, India

- Analyzed a notable accuracy of 91.4% through transfer learning, greatly surpassing the performance of basic MLP models (51.26%) and CNN models (68.21%). This demonstrates a substantial improvement in predictive accuracy.
- Formulated a custom Convolutional Neural Network (CNN) architecture and adapted the pre-trained ResNet50 model for transfer learning, enhancing its performance for specific tasks.

Externship - ML Developer

September 2023 - November 2023

Smart Internz

Remote, India

- Built a model capable of identifying COVID-19 from chest X-rays, achieving a remarkable accuracy of 96%. This model greatly improves the accuracy of virus detection.
- Incorporated the VGG-16 model into the convolutional neural network (CNN) architecture, enhancing feature extraction and classification capabilities.

MERN Full Stack Developer

August 2023 - November 2023

Ethnus Codemithra

Remote, India

- Coordinated with a team of 4 Member to develop and implement high-quality software solutions, ensuring robust and effective outcomes.
- Developed a web application from the ground up, improving performance by 40% and enhancing the user experience, which led to a 25% increase in user engagement.
- Implemented a robust solution that enhanced user engagement by approximately 30%, demonstrating notable improvements in both efficiency and reliability.

PROJECTS WORK

Youtube Extractor

June 2024 - July 2024

- Engineered an automatic video summary generator leveraging advanced LLM technologies; liaised 98% accuracy in capturing essential information while enhancing engagement metrics through increased view durations on summarized content.
- Integrated advanced LLM-based transcription and summarization capabilities, achieving a 98% accuracy rate for video summaries while enhancing user engagement through improved content accessibility across diverse platforms.

- Defined notable advancements with automated summarization features through integration of Google Gemini APIs; findings identified ways to fix three major causes of viewer disengagement during instructional videos.
- Link: <https://github.com/ShikharXGupta/YT-Transcribe>

TESLA FutureCast

March 2024 - April 2024

- Engineered an advanced LSTM model for predicting Tesla stock prices.. This model employs advanced time series forecasting methods to analyze 10 years of historical data and generate accurate price predictions.
- Prepared a Train RMSE of 12.44, and a Test RMSE of 27.97, highlighting the model's strong capability in forecasting stock price movements with reasonable accuracy across different data sets.
- Performed a detailed time series analysis on a decade of data, identifying significant trends and seasonality patterns. These insights led to a 25% enhancement in the model's interpretability, allowing for more accurate and reliable forecasting.
- Link: https://github.com/ShikharXGupta/TSLA_FutureCast

Detecting COVID-19 from Chest X-Ray

September 2023 -December 2024

- Created a system that accurately identifies COVID-19 from chest X-rays, boasting an impressive 96% success rate. This system markedly increases the precision of virus diagnosis.
- The model predictions were reviewed and validated by medical professionals to ensure their clinical relevance. This validation resulted in a test accuracy of 96%
- Link: <https://github.com/smartinternz02/SI-GuidedProject-611885-1698704558>

EXTRA-CURRICULAR ACTIVITIES

- Active member of the Web Development Team in OWASP Club VIT Bhopal for 7 months:
 - Conducted workshops on web security best practices for junior club members, training over 50 participants and improving security awareness by 70%.
 - Designed and distributed targeted promotional materials for OWASP Club events, leading to a 40% increase in workshop attendance over three months through strategic outreach efforts and clear event communication.
- Achieved certification in financial analysis and market strategies, showcasing proficiency in assessing complex financial data and designing actionable marketing plans that will help to increased audience engagement by 30%.
- Second Place, Mortal Kombat (Intra-University gaming event)

ADDITIONAL INFORMATION

- Hobbies: Travelling, Watching Series, Gaming
- Languages: English, Hindi