



Kriish Solanki

Bachelors Of Technology
Computer Science & Engineering
Minor in Financial Technology (Fintech)

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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

•Manipal Institute of Technology, Karnataka

CGPA: 8.37 (Ranked in the top 5% of my graduating batch)
Semester-wise GPA: 7.36, 7.18, 8.54, 9.38, 8.76, 8.80, 8.80

B.Tech CSE | 2021-2025

•Scholar English Academy, Surat

Percentage: 93.8%

Senior School, CBSE | 2021

•Delhi Public School, Surat

Percentage: 94.6%

Secondary School, CBSE | 2019

WORK EXPERIENCE

•Jainam Broking Limited, Gujarat

Quantitative Strategy & Development Intern

February 2025 - Present

- Developing and implementing quantitative trading strategies.
- Building a strategy execution platform using Django, FastAPI, and MongoDB by integrating APIs to fetch, process, and analyze financial data for backtesting, generating buy/sell signals, and visualizing profit/loss trends.

•ThoughtFocus, Bangalore

Software Engineering Intern

July 2024 - August 2024

- Contributed to the Gen3 Transaction Switch Platform (BDO team), with hands-on experience in transaction processing and integration of mPOS solutions, including TFPay's payment system.

RELEVANT PROJECTS

•TTS Distinction in Human Voices

Human Speech Authentication Model

Python, TensorFlow, Deep Learning (CRNN)

- Developed a deep learning model to differentiate human speech from text-to-speech (TTS) systems.
- Utilized Convolutional Recurrent Neural Networks (CRNN) and extracted key features (MFCCs, mel-spectrograms, Chroma).
- Achieved an F1-score of 0.88 and an Equal Error Rate (EER) of 18.89% through hyperparameter tuning, enhancing secure voice authentication.

• Non-Touch Input Device

Hand Gesture Control System

Python, Opencv, TensorFlow

- Engineered a gesture-based interface for hands-free PC control using MediaPipe for hand tracking.
- Developed a quick-access toolbar with character recognition for seamless navigation and interaction.
- Implemented a client-server communication model, enabling gesture-based control across multiple devices.

RELEVANT COURSES & CERTIFICATIONS

- **Neural Networks and Deep Learning:** DeepLearning.AI, Coursera
- **Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization:** DeepLearning.AI, Coursera
- **Structuring Machine Learning Projects:** DeepLearning.AI, Coursera
- **Convolutional Neural Networks:** DeepLearning.AI, Coursera

ACTIVE RESEARCH

- **Credit Card Fraud Detection using Homomorphic Encryption:** Leveraged machine learning and deep learning techniques to detect fraud while preserving privacy using homomorphic encryption.

TECHNICAL SKILLS

- **Languages & Tools:** Python, SQL, Java
- **Libraries/Frameworks:** Scikit-Learn, Pandas, NumPy, Matplotlib, OpenCV, TensorFlow, Django, MongoDB, FastAPI
- **Relevant Coursework:**
 - Machine Learning
 - Deep Learning
 - Probability Theory & Statistical Methods
 - Data Structures & Applications
 - Design And Analysis Of Algorithms
 - Operating Systems
 - Distributed Systems
 - Database Systems
 - Discrete Mathematics & Algebraic Structures
 - Linear Algebra & Differential Equations
 - Object Oriented Programming