

NEEL SHETH

+1-(602)582-5751 | neelsheth.cse99@gmail.com | [LinkedIn](#)

SKILLS

Programming Languages : C | C++ | JAVA | Python | PHP | Swift

Mobile App Development : iOS Development | Xcode | Swift

Data Science and Machine Learning : Machine Learning | Deep Learning | Image Processing | Data Analysis | Data Preprocessing | Data Visualization | Convolutional Neural Networks (CNN) | Image Classification | Big Data Analysis | Jupyter Notebook | PyCharm | Google Colab | AWS (Amazon Web Services)

Data Visualization : Tableau

EXPERIENCE

MANENTIA ADVISORY | Python | Computer Vision | Image Processing
Machine Learning Engineer | NOV 2020 - APR 2022

- Developed a lung X-ray disease prediction system using Convolutional Neural Networks (CNN).
- Preprocessed X-ray images by resizing, normalizing, and augmenting data to enhance model performance.
- Employed transfer learning with pre-trained models (e.g., VGG16, ResNet) to improve model accuracy and generalization.
- Conducted comprehensive model evaluations, including accuracy, precision, recall, and F1-score, to assess system performance and detect over 10 diseases.

PROJECTS

Document Tampering Detection

- Developed a document tampering detection app using skimage.metrics, OpenCV, and PIL.
- Measures structural similarity between original documents and provided images.
- Detects potential tampering or alterations, aiding in fraud prevention.
- Achieved a detection accuracy of ~31%.
- Valuable tool for document validation in security and legal contexts.

Campus Share

- Designed an intra-campus delivery system with CRUD functionalities.
- Implemented MVVC/MVC architecture.
- Implemented a notification system from scratch.
- Implemented client-side caching for improved performance.
- Integrated User Interaction Tracking SDK.

EDUCATION

Arizona State University
M.S. Information Technology
Management
GPA : 3.58/4.0

Parul University
B.E. Computer Science &
Engineering
GPA : 3.4/4.0

HONORS & AWARDS

Microsoft Technology
Associate : Python
Intel Student Ambassador
Program: Intel
Research Paper:
- Title: Brain Drive
- Publisher: International
Research Journal for
Engineering & Technology,
Volume 07
- Area: Integration of Brain
Computer Interface
Technology with Self Driving
Cars

COURSEWORK

Data Structures &
Algorithms
Machine Learning
Computer Vision
Data Visualization
Big Data Analysis
AWS
Data Mining
Advance Database
Information System
Management