Archit Banait

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Experience

DATA SCIENCE INTERN *Aug. 2023 – Feb. 2024*

ONLEI TECHNOLOGIES

- Implemented a convolutional neural network (CNN) in TensorFlow & OpenCV to develop a face mask detection system, achieving 92% accuracy in identifying whether individuals were wearing masks or not.
- Performed data cleaning and visualization in Power BI, leading to actionable insights that helped improve business decisions.
- Designed and optimized SQL queries to extract large datasets and performed ETL processes using Python's pandas library, reducing data processing time by significant amount.
- Utilized NLP techniques with Python and NLTK to analyze and categorize customer reviews by sentiment, enhancing the accuracy and depth of customer feedback analysis by 30%.

Projects

DETECTING OF MALICIOUS URL'S USING MACHINE LEARNING *Mar. 2023*

- Developed solutions for real-time analysis of URLs, ensuring timely detection and response to emerging threats.
- Collected and extracted large datasets of URLs from publicly available threat intelligence sources and databases, utilizing Beautiful Soup for web scraping to build a comprehensive dataset for training the model.
- Employed the TF-IDF algorithm to extract meaningful textual features from URLs, enhancing the model's ability to detect malicious patterns, improving the model's accuracy by 15-20%.

FACE MASK DETECTION SYSTEM *Nov. 23*

- Gathered and preprocessed images from public datasets, applying techniques like resizing, normalization, and augmentation to ensure robust model training for detecting face masks.
- Designed and implemented a CNN model using TensorFlow/Keras to classify images as masked or unmasked with high accuracy.
- Integrated OpenCV for real-time face detection, enabling the system to process live video streams and achieve an accuracy of **95%** in identifying individuals wearing or not wearing masks.

Skills

- LANGUAGES: Java, Python, SQL
- DATABASE: MySQL, Microsoft SQL Server
- TOOLS / FRAMEWORKS: Visual Studio Code, ItelliJ, Django, Spring
- VERSION CONTROL: Git, Github

Education

Bachelor of Engineering	*Jan 2021-Jul 2023*
Prof. Ram Meghe Institute of Technology & Research	*Amravati, Maharashtra*
B.E in Information Technology	**7.26 CGPA**

Diploma in Engineering	*Aug 2016 – Sep 2020*
V.Y.W.S Polytechnic Badnera	*Amravati, Maharashtra*
Diploma in Computer Technology	**87%**

Certifications

- AWS FUNDAMENTALS *(Coursera)*
- MACHINE LEARNING & DATA SCIENCE *(Onlei Technologies)*
- CISCO CERTIFIED CYBEROPS ASSOCIATE *(Cisco)*
- IBM BACK-END DEVELOPMENT PROFESSIONAL CERTIFICATE *(Coursera)*

Languages

- English *(Full Professional Proficiency)*
- Marathi *(Full Professional Proficiency)*
- Hindi *(Full Professional Proficiency)*

Coursework

- Machine Learning
- Artificial Intelligence
- Cloud Computing
- Data Science & Stats
- Operating System
- SDLC
- Database Management
- Data Structures & Algorithm

Softskills

- Team Work
- Problem Solving
- Adaptability
- Attention to Detail
- Time Management
- Music
- Travelling
- Reading
- Sports
- Gaming