Keerthana D

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PROFILE

M.Tech in Artificial Intelligence, student at REVA University with hands-on experience in Python, SQL, Power BI, and Basic Machine Learning. Developed a Signature Matching System and Wireless Stagnant Water Cleaning System Using Arduino. Certifications in cybersecurity and earned IBM certifications in Python, SQL, and data visualization. Eager to apply AI and data science skills to build impactful, real-world applications.

EDUCATION

REVA Academy for Corporate Excellence, REVA University   2024 - 2026
M.Tech in Artificial Intelligence   Bangalore

Coorg Institute of Technology   2020 -2024
Bachelors in Computer Science and Engineering   Kodagu

SKILLS

Primary Skills: Python, SQL, Power BI, ML fundamentals

Framework & Libraries: Pandas, Matplotlib, Flask, Streamlit, Gradio

Tools: PyCharm, Jupyter Notebook, Visual Studio Code, MS Excel

Soft Skills: Teamwork, Time Management, Problem Solving, Decision Making, Leadership Qualities

EXPERIENCE

Dlithe Consultancy Services Pvt. Ltd., Bangalore   **Aug 2023 – Sep 2023**
Data Analytics Intern

- Developed a Signature Matching System as part of a document verification project using machine learning.
- Utilized image processing techniques and machine learning algorithms to analyze and compare digital signatures for authentication.
- Pre processed signature images to enhance clarity, and standardize dimensions using OpenCV.
- Designed and trained a model to classify and match signatures with high accuracy.

Technologies: Python, OpenCV, CNN, Machine Learning

Certificate Link

PROJECTS

Wireless Stagnant Water Cleaning System Using Arduino:

- Developed a prototype to automate the cleaning of stagnant water using Arduino microcontroller and wireless technology.
- The system includes a water quality sensor to detect contamination levels.
- It utilizes wireless communication that is Bluetooth for remote monitoring and control via a mobile.

Signature Matching System:

- Developed an AI-based image classification model to detect forged signatures using a custom dataset of real and forged signature images.
- Labelled images to classify genuine vs forged signatures.
- The trained model is tested on unseen data to evaluate accuracy and performance. Trained and evaluated the model using Jupyter Notebook and Python script for both batch and real-time testing.

GitHub Link

CERTIFICATES

- Certification on "Front End Development – CSS" and from Great Learning Academy   Link
- Certification on "Data Structures in C" from Great Learning Academy   Link
- Completed NPTEL Online Certification Course on "Cyber Security and Privacy"   Link
- Certificate for "SQL and Relational Databases 101" provided by IBM   Link
- Completed the "Python 101 for Data Science" Course provided by IBM   Link
- Completed the "Data Visualization with Python" Course by IBM   Link