ARYAN AGRAWAL

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EDUCATION

Vidyalankar Institute of Technology   *DECEMBER 2021 - PRESENT*
Bachelor of Engineering in Information Technology   *CGPA:* **9.94**

EXPERIENCE

CERE LABS PVT. LTD.   *FEBRUARY 2024 - MARCH 2024*
Machine Learning Intern
- Designed a **legal document anonymization system**, enhancing privacy and confidentiality by 90%.
- Leveraged **BERT**'s **Named-Entity Recognition** to accurately anonymize 1,000+ names, addresses, contacts, emails, dates, and amounts.
- Integrated **OpenAI** for summarizing anonymized text and thus verifying document integrity with **95% accuracy**.

PROJECTS

SOCIAL MEDIA IMAGE CAPTIONING | ML ,Python **|** *GitHub*   **April 2024**

- Pioneered a **Streamlit** web app that generates and converts image captions for social media using **CNN models** and **NLP API**s, trained on **30,000+ images**.
- Implemented functionalities for image upload, caption generation, and clearing, enhancing user experience.
- Utilized **Python** libraries like **PIL** for image handling and managed session states for smooth interactions.

IPL Score prediction | Python, Flask, ML **|** *GitHub*   *January 2024*

- Developed an IPL **Score Prediction system** to forecast live match scores using **machine learning**.
- Built with **Python**, utilizing **Flask** for a dynamic UI, **scikit-learn** for predictive modeling, and **NumPy** for handling **10,000+ data points**.
- Achieved **85% prediction accuracy** for live IPL match scores.

MEDICINAL PLANT IDENTIFICATION | ML, Python **|** *GitHub*   *September 2023*

- Engineered a machine learning model for **Smart India Hackathon 2023**, identifying medicinal plants from leaf images with **96% accuracy**.
- Curated a custom dataset of **1,000+ leaf images** of **50+ unique species**, optimizing training and validation phases.
- Enhanced robustness by 15% using advanced image processing techniques.

CLINIC MANAGEMENT SYSTEM | Python, MySQL **|** *GitHub*   *April 2023*

- Devised a Clinic Management System using **Python**, **Tkinter**, and **MySQL** to manage 200+ patient records, appointments, and prescriptions efficiently.
- Revamped features for appointment **slot booking** and **prescription management**.
- Enabled an **automated email notification system**, enhancing patient experience.

ADDITIONAL INFORMATION

LANGUAGES : C, C++, Java, Python, SQL, HTML, CSS, JavaScript, MongoDB(Basic), Flutter(Basic), React.js(Basic)

TOOLS : VS Code, Jupyter Notebook, Streamlit, PyCharm, PowerBI, Lens Studio, Apache NetBeans

TECHNOLOGIES/FRAMEWORKS : Linux, GitHub, Pandas, NumPy, Matplotlib, Scikit-Learn, TensorFlow, Keras

EXTRA-CIRRICULAR: National-Level Jidnyasa Science Project Participant, State Rank 13th in Maharashtra Scholarship Examination, State Rank 28 Holder in Maharashtra Talent Search Exam, District-Level Badminton Player