Aryan Sahni

Sobha Meritta• Chennai, 603103 • Aryan.sahni2023@vitstudent.ac.in • 9958216312

Education

Vellore Institute of Technology Chennai, TN
Btech computer science, Core. CGPA 8.98 2027
Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems,
Artificial Intelligence, Machine Learning, Deep Learning, Cloud Computing.

Venkateshwar International School Dwarka, Delhi
Graduated with 95.5% and held leading positions as a prefect and cultural head. 2023

Projects

WellnessConnect April 2025

Development team

- Mental health platform offering an AI chatbot, anonymous confessions, and peer-to-peer support to create a safe space for mental well-being.
- Technical specifications: React, firebase, TensorFlow, gpt4.
- https://github.com/C0okiegranny221/WellnessConnect

AI-Based Process Scheduler April 2025
Lead developer

- AI-powered scheduling algorithm to efficiently manage CPU-bound and I/O-bound processes using a multi-queue scheduling architecture.
- Technical specifications: ONNX Runtime, C in Linux Kernel, Reinforcement Learning, TensorFlow, python.
- https://github.com/C0okiegranny221/OSPROJECT

Concept Detection Task of the ImageCLEFmedical (Published research paper) July 2025
Lead Author

- Developed and evaluated several convolutional neural network (CNN) models including ResNet50, DenseNet121, and InceptionV3 to predict medical concepts (CUIs) from radiology images reaching a 39% Jaccard accuracy.
- Aryan Sahni, et al. “Evaluating Deep CNNs for Multi-Label Concept Detection in ROCOv2 Radiology Image Dataset by Team LekshmiscopeVIT.” Proceedings of the ImageCLEF 2025. Springer, Year 2025.
- https://www.dei.unipd.it/~faggioli/temp/clef2025/paper_203.pdf

Churn-Prediction Feb 2025
Lead developer

- Built a neural network in TensorFlow to predict whether employees stay or leave, achieving 79% accuracy on HR analytics data
- Technical specifications: TensorFlow, NumPy, Pandas, python.
- https://github.com/C0okiegranny221/Churn-Prediction

Skills & Interests

Technical: Python (Advanced) Java (Intermediate) C++ (Intermediate) C (Intermediate) SQL (Intermediate) Git/GitHub Linux (Intermediate).
Frameworks and Libraries: Pandas, NumPy (Advanced) TensorFlow (Intermediate) Lang Chain (Intermediate) Scikit-learn ONNX Runtime
Language: German (Beginner) Indian sign language (beginner) French (beginner) English(Proficient) Hindi(Proficient).
Interests: Grade 6 Classical Guitar, Tennis, Swimming, Combat Sports.