

## Education

### Vellore Institute of Technology

Btech computer science, Core. CGPA 8.98

Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, Artificial Intelligence, Machine Learning, Deep Learning, Cloud Computing.

Chennai, TN  
2027

### Venkateshwar International School

Graduated with 95.5% and held leading positions as a prefect and cultural head.

Dwarka, Delhi  
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](https://www.dei.unipd.it/~faggioli/temp/clef2025/paper_203.pdf)

### GMAIL Bait Mail

Sept 2025

#### Lead developer

- Built a Chrome extension with Python backend to monitor Gmail DOM changes, detect scam/phishing emails, and auto-generate replies using GenAI LLMs on AWS Bedrock.
- Designed a cloud-integrated workflow combining Gmail API, Flask, and MutationObserver for real-time email intelligence.
- Technical specifications: JavaScript (Chrome APIs), Python (Flask, boto3), AWS Bedrock, Gmail API.
- <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 Sport