

ARATHY CHANDRAN K



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PROFILE SUMMARY :

Enthusiastic Computer Science undergraduate with strong skills in software engineering, full-stack development, and problem solving. Proficient in building scalable, high-performance applications using Python, JavaScript, React, Flask, and MySQL. Adept at collaborating in agile environments and delivering innovative solutions to complex challenges.

ACADEMIC QUALIFICATION :

- Bachelor of Technology - Computer Science
CGPA 8.8 out of 10 | June 2026
- Senior Secondary | Kendriya Vidyalaya, Purnattukara - CBSE
Percentage 95.6%| March 2022
- Secondary Education | Kendriya Vidyalaya, Ramavarmapuram - CBSE
Percentage 94.4%| March 2020

INTERNSHIPS :

- AI Project Development Intern – AccelerateX | June 2025 (3 weeks)
Focused on foundational AI modeling, data processing, and implementation.
- Computer Vision Intern – PixDynamics | May 2025 (1 Month)
Worked on object detection using Vision Transformers, with performance analysis of transformer-based architectures for real-world image datasets

CORE COMPETENCIES :

- Technical Skills : Python, Java, C, HTML, CSS, Javascript, Flask, React JS, MySQL, SQLite, MongoDB, Jupyter, Linux, Tensorflow, Numpy, Pandas, Matplotlib, Scikit Learn
- Soft Skills : Communication, Problem Solving, Teamwork, Critical Thinking, Multitasking.

POSITION OF RESPONSIBILITY :

- STF Team Lead, Developers Students club MACE, Jan 2025 – Ongoing
- MACE MUN (XI EDITION) – Public Relation

PROJECTS :

- SIGNASSIST - EMPATHETIC SIGN LANGUAGE CHAT INTELLIGENCE (IN DEVELOPMENT)**
Objective : Developing a real-time, bidirectional translation chat system that bridges communication gaps between spoken and sign languages, improving interaction for deaf and hard-of-hearing individuals.
Tools : Python 3, Numpy, DeepFace, SpeechRecognition, nltk, OpenCV, HTML, CSS, JS
- ANTIBIOGUARD - PRESCRIPTION SYSTEM WITH AMR ASSISTANCE (IN DEVELOPMENT)**
Objective : AI-driven solution to enhance antibiotic prescription accuracy, combat Antimicrobial Resistance (AMR) and improve patient adherence.
Tools : Python, Scikit-learn, TensorFlow, XGBoost, Keras
- WEB-BASED SKINCARE CONSULTATION HUB**
Objective : A user-friendly web platform that streamlines skincare by delivering personalized routines, tracking progress, and recommending products for efficient management.
Tools : HTML, CSS, JavaScript, Bootstrap, MySQL, Flask, Python

WORKSHOPS :

- Attended a Prompt Engineering Workshop at the AI Summit by AccelerateX.

CERTIFICATES :

- Top 10 position in the National Level WOW Hackathon by Google Developer Student Club.
- Best Business Plan Award at the Hackify Hackathon organized by the IEDC MACE.
- NPTEL course "The Joy of Computing Using Python" by IIT Madras.
- Certificate in Design Thinking course by IBM