

## EDUCATION

<b>PSG Institute of Technology and Applied Research-Coimbatore</b> <i>B.E. Electrical and Electronics Engineering</i>	CGPA: 9.24/10 Grad. May 2024
<b>Chandrakanthi Public School</b> <i>12th Grade (CBSE)</i>	92.6% Grad. May 2020
<b>GRD Public School</b> <i>10th Grade (CBSE)</i>	93.2% Grad. May 2018

## ACADEMIC ACHIEVEMENTS

- Awarded 3<sup>rd</sup> place for a project competition in International Techno Management Fest (2023) held at the CEG, Anna University, Chennai.
- Placed 2<sup>nd</sup> in Project Exhibition (2023), organized by EEE Association of PSG iTech, for voice activated speech Bot using Raspberry Pi.
- Placed 1st in Project Exhibition (2022), organized by EEE Association of PSG iTech, for smart baby monitoring system using Arduino and ThingSpeak IoT.

## RESEARCH WORK

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|---|------|
| <b>TempTrend ML synthesis</b>   | 2023 |
| * A project that integrates multiple machine learning models and culminates with the production of a novel hybrid time series analysis model that can forecast temperature and evaluate the efficiency of each model. |      |
| <b>VoiceCrafter</b>   | 2023 |
| * Developed a voice-activated speech assistant using Raspberry Pi and Python's TTS module, which utilizes OpenAI's ChatGPT API to respond to multilingual questions.  |      |
| <b>IonizeAir Purifier</b>   | 2023 |
| * A product that purifies indoor air by producing negative ions that neutralize dust particles and eliminate unsafe viruses and bacteria, creating a healthy living environment.                                      |      |
| <b>EmotionSense</b>   | 2022 |
| * An OpenCV-powered project that employs the Raspberry Pi to accelerate the investigation of human emotions in research and healthcare monitoring contexts by using facial expression recognition.                    |      |

## SKILLS

**Technical Skills:** Python, C/C++, Machine Learning, PCB designing  
**Soft Skills:** Adaptability, Effective Team Leader, Communication

## POSITIONS OF RESPONSIBILITY

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| <b>AI/ML LEAD – Google Developer Students Club, PSG iTech</b>  | 2023-2024 |
| <b>Vice Chairperson, IEEE Students Chapter, PSG iTech</b>  | 2023-2024 |
| *Conducted workshops and paper presentation events during YUKTAHA 2023.  |           |
| <b>Secretary, Higher Education Forum, PSG iTech</b>  | 2021-2023 |
| * Organized conferences led by International University professors and organized educational programs in partnership with loan providers to inform students about the higher education loan application process. |           |
| <b>Joint Treasurer, EEE Association of PSG iTech</b>   | 2021-2022 |
| * Conducted interactive session with Alumni and a seminar by Industrial specialist - Kalycito Infotech Pvt. Ltd.   |           |
| <b>Club Coordinator, Drawing and Painting Club, PSG Itech</b>  | 2021-2022 |
| * Organized competitions on Painting and Crafts during Advaya 2022 and beginner art class for the freshers.  |           |

## CERTIFICATIONS

- Introduction to Python, 365 Data Science
- Machine Learning, Infosys Springboard
- Digital Design, Maven Silicon
- Workshop on FPGA Architecture and Programming using Verilog HDL, NIELIT, Calicut-NPTEL
- Embedded System and Robotics, e-Yantra Resource Development Center (eYRDC).
- PCB Designing with EasyEDA, Udemy

## EXTRA-CURRICULAR ACTIVITIES

- Member of the IEEE Power Electronics Society.
- Conducted Technical events for students as a member of the Indian Society for Technical Education (ISTE).
- Joined DevFest 2022, held in Coimbatore by the Google Developer Groups.
- Conducted an embedded workshop utilizing the MSP series from Texas Instruments, Inc., Yuktaha-2023.
- Performed in the Women's Day Celebrations as a member of the dance club.
- Attended a full-stack web development session presented by GDSC, PSG iTech.
- Participated in the G20 University Connect 2023 organized by PSG College of Technology.