

EDUCATION

Degree	Specialization	Institute	Year	CPI
Bachelor of Technology	<i>Robotics and Artificial Intelligence</i>	Amrita Vishwa Vidyapeetham	2024-Present	9.33
Higher Secondary School	<i>Physics, Chemistry, & Mathematics</i>	Sri Chaitanya Vidhya Niketan	2022 - 2024	88.2%
Senior Secondary AP	-	Sri Chaitanya School	2022	95%

WORK EXPERIENCE

Graphic Designer at InAmigos Foundation (Internship)

Jun 2025 - Present

- Developing visual content, including posters and reels, for various organizational programs to support fundraising initiatives and enhance public engagement across social media platforms. Utilized Adobe Photoshop, Canva and some ai tools to produce engaging visual assets.

CERTIFICATIONS

Introduction to Self-Driving Cars	<i>Coursera (University of Toronto)</i>	<i>Present</i>
Foundations of Coding Full-Stack	<i>Coursera (Microsoft)</i>	<i>Present</i>
Remote Sensing Data Analytics for Crop Production Forecasting	<i>ISRO and IIRS</i>	<i>July 2025</i>
Archival And Access to Space Science Data	<i>ISRO and IIRS</i>	<i>July 2025</i>
Recent Trends in Ecological Modelling & Simulation	<i>ISRO and IIRS</i>	<i>July 2025</i>
Geospatial technology for modelling of Urban Environment	<i>ISRO and IIRS</i>	<i>July 2025</i>
Build Dynamic User Interfaces (UI) For Websites	<i>Coursera (Google)</i>	<i>Feb 2025</i>
Fundamentals Of Graphic Design	<i>Coursera (XBOX)</i>	<i>Feb 2025</i>
Supervised Machine Learning: Regression and Classification	<i>Coursera (DeepLearning.AI and Stanford online)</i>	<i>July 2024</i>

PROJECTS

- **Development and Implementation of an Arduino-Based Bluetooth-Enabled Mobile Robot with Non-Blocking Smooth Acceleration and Deceleration Control**
[Prof. Asha C A] Mar 2025-Apr 2025
 - Constructed an **Arduino-powered mobile robotic platform**, integrating a **Bluetooth (HC05/06) module** for **wireless teleoperation** and an **L298N motor driver** for precise control of four DC motors.
 - Pioneered a **non-blocking, interrupt-driven acceleration and deceleration algorithm**, enabling **stable and gradual velocity transitions**, and implemented a **pulse-width modulation (PWM) scheme for 11 discrete speed levels (0-100%)** to ensure highly responsive and nuanced motion control.
- **C-Programmed Prototype for Secure Digital Voter Authentication and Ballot Tallying**
[Prof. Amal] Nov 2024-Dec 2024
 - Developed a C-language **prototype simulating a secure electronic voting system**, incorporating to enforce **voter ID and age validation modules** for fair participation and prevent ballot stuffing.
 - Engineered a **vote tallying mechanism**, showcasing foundational programming skills in data handling and process control within a practical application.
- **Integrated Hydro-Thermal Environmental Management System with Dynamic Water Regulation**
[Prof. Asha C A] Oct 2024-Nov 2024
 - **Designed an Arduino Uno-based real-time hydrological and thermal environmental monitoring system, incorporating automated irrigation for optimal plant health** in Tinkercad software.
 - **Utilized sensor fusion** to continuously acquire critical soil moisture and ambient temperature data, **driving an intelligent control algorithm for demand-driven irrigation, thereby optimizing water resource utilization and fostering robust botanical development.**

ACHIEVEMENTS

- Achieved a top-tier Rank of **497** in the AP Polycet examination 2022, demonstrating strong academic standing among **1,31,608**.

TECHNICAL SKILLS

- **Languages:** C, C++, MySQL, Arduino (C++)
- **Tools:** AutoCAD, AutoCAD Fusion 360, Geany, Adobe Photoshop, Figma, Adobe XD, Gamma, VS code, Soul HQ AI, Canva, Arduino IDE, NotebookLM, Google AI Studio
- **Core Technical Skills:**
 - 1) Foundational knowledge in supervised machine learning algorithms (Regression and Classification)
 - 2) C++ coding proficiency.
 - 3) Proficient in embedded systems programming with Arduino IDE for Arduino.
 - 4) Skilled in 3D modeling using Autodesk Fusion 360.
- **Design/Software Skills:**
 - 1) Skilled in image editing and visual communication design with Adobe Photoshop.
 - 2) Proficient in Canva Tool.
 - 2) Proficient in prototyping and UI/UX design using Adobe XD.
 - 3) Experienced in creating engaging presentations and documents with Gamma.
 - 4) User interface development with Figma.