

Maxmilan Selvan Fernando

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Education

Anna University, Chennai

Dec 2020 - Jun 2024

Bachelor of Computer Science and Engineering

CGPA - 8.36/10

- Studied at Paavai College of Engineering, Namakkal, Tamilnadu
- Journal on "S.H.I.L.P.A (Smart Helper Intelligent Learning Personal Assistant) – an all-in-one Integrated Virtual Voice Assistant". 

St. Thomas Mat. Hr. Sec. School., Thoothukudi

Jun 2018 - May 2020

Higher Secondary Certificate (12th Grade)

CGPA - 8.03/10

- Major in Computer Science
- School topper** in Computer Science Subject

Key Competencies

Languages : Python, C/C++, Java, HTML, CSS, Javascript, SQL

Tools : Operating Systems, Photoshop, After Effects, OpenCV, Jupyter, Google Colab, VS Code, Power BI, Flask

Coursework : Data Structures, Algorithm Analysis, Cloud Computing, Object Oriented Programming (OOP), Artificial Intelligence, Database Management Systems (DBMS), Computer Architecture, Cybersecurity, Internet Programming, Computer Networks, Software Engineering

Experience

RS Caterers, Avadi

Oct 2025 - July 2026

Digital Marketing Specialist

Chennai

- Designed **50+ marketing creatives** including posters and menu boards for digital marketing.
- Edited **promotional** videos, helping grow the brand to **3,000+ Instagram followers**.
- Managed Meta Ads campaigns to increase **lead generation** and audience reach.

Saint Louis University (Powered by Excelebrate)

Aug 2023 - Sep 2023

Data Analyst Intern

Remote

- Led a 6-member team as **Project Manager** for a data visualization project, ensuring timely delivery.
- Analyzed business data and improved dashboards using **Power BI**, delivered insights with **95% data accuracy**.

Projects

S.H.I.L.P.A (Smart Helper Intelligent Learning Personal Assistant)

Jan 2024 - Apr 2024

- Developed an AI-powered assistant using **Flask** with task automation and natural language command execution.
- Integrated **OpenAI** and **4+ APIs** for **NLP** and contextual memory, reducing logic by **50%**.
- Achieved **88%** response accuracy through GPU-accelerated deployment on **Google Colab**. 

Air Canvas

Mar 2023 - May 2023

- Built a realtime hand gesture drawing tool using **OpenCV** and **MediaPipe** for touchless interaction.
- Achieved **92% accuracy** with optimized hand tracking and **30+ FPS** real-time video processing.
- Integrated gesture-based controls for drawing, erasing, and color selection. 

Image Steganography

Aug 2022 - Sep 2022

- Developed a steganography tool to securely encrypt and embed files into images using LSB encoding.
- Implemented password-protected extraction, supporting files up to 5 MB with zero visual distortion.
- Achieved 100% data recovery accuracy across 50+ file formats during testing. 

Additional Information

- Languages :** Tamil, English, Hindi.
- Certifications :** [Python and OpenCV Bootcamp \(Google\)](#), [Angular \(Infosys\)](#), [Node.js \(Infosys\)](#), [MongoDB \(Infosys\)](#), [3D Printing \(Govt. of India\)](#).
- Awards/Activities:** Won **1st prize Award** in Code Debugging and Poster Design in Symposium, Class Representative, **Coordinator** in various events, **Student Assistant** for CSE Department, Band Trooper, NSS Volunteer, Graphic Designer for College Events.