

Sreenikethan Iyer

+971 50 516 3504 | sreeni.s.iyer@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)



PROFESSIONAL SUMMARY

I am a Computer Science Engineering graduate from BITS Pilani Dubai Campus. I have undertaken several projects, which have improved my skills in incorporating ML/DL, image processing and web-dev into building user friendly web & desktop apps. I have obtained practical understanding of modern web development and holistic testing, along with enterprise codebase management and version control.

SKILLS

Languages	Python, Web-Dev (HTML, TypeScript, CSS), C, Java, C# .NET, Visual Basic .NET, MySQL, Windows Batch scripting, VBA
Frameworks	React, Tailwind, Astro, Web Components
Developer Tools	Git, GitHub, Vite, Docker, WSL, FFmpeg
Libraries	TensorFlow, scikit-learn, PyTorch, PIL, Pandas, NumPy, Matplotlib
Soft Skills	Attention to detail, Active listening, Clear communication, Analytical thinking, Self-motivated

EDUCATION

Bachelor of Engineering in Computer Science, CGPA: 9.40 **2022 - 2026**
Birla Institute of Technology and Sciences, Pilani, Dubai Campus Dubai International Academic City, UAE
Relevant electives: Data Sciences, AI, Data Mining, Cryptography

AISSE Class 12 Board Exams, 93.2% **2022**
AISSE Class 10 Board Exams **2020**
GEMS Our Own High School Al Warqa'a, Dubai, UAE

PROFESSIONAL WORK EXPERIENCE

Software Developer Intern **Aug 2025 - Jan 2026**
Esri Inc. R&D Sharjah, UAE

- Headed the migration of Oriented Imagery Viewer widget into Web Components standard
- Developed a fully CLI-based Python script for assisting users with the migration of the OIC format to the OID format with multiple, well-documented workflows (CLI), using ArcPy and ArcGIS Python API.
- Obtained valuable experience in enterprise codebase conventions and version control

Machine Learning Engineer **Jun 2024 - Aug 2024**
Solverminds Solutions & Technologies Pvt Ltd Dubai, UAE (online internship)

- Trained multiple machine learning models for predicting ship displacement parameters
- Researched technical aspects of machine learning from scratch
- Improved proficiency in using notebook technologies like Jupyter and Markdown
- Gained expertise in using multi-platform bridges such as WSL

WORK EXPERIENCE

Technical Executive **Jan 2025 - Dec 2025**
Microsoft Tech Club BITS Pilani Dubai Campus, UAE

- Collaborated hosting, administration and designing of the questions for the "MTCipher" CTF event
- Developed the front-end website for MTC, bringing drastic improvements to codebase quality
- Optimized cloud file storage and improved quota management with attention to detail

PROJECTS

Typeface Recognition using Deep Learning | Python, PyTorch, PIL, NumPy, Streamlit **Sep 2024 - Dec 2024**
A Deep Learning based model to predict the Typeface used in a given image.
*The model has an accuracy of **78.02%** in predicting the typeface used.*
[Demo link](#), [GitHub](#)

Multi-Algorithm Encryption & Audio Steganography | Python, NumPy, Streamlit **Dec 2024 - June 2025**
A novel algorithm to hide payload in an audio file, while also securing its contents using multi-algorithm encryption.
*The maximum error at 99th percentile between the original and encoded audio is very low at **1.32%**.*
[Demo link](#), [GitHub](#)

Nuclei Segmentation for H&E images using DL | Python, TensorFlow **Dec 2024 - June 2025**
A novel CNN-based "Sine-Net" model to segment on the nuclei present in Hematoxylin- and eosin-stained imagery.
*The model achieved a training accuracy of **91.7%**, and a validation accuracy of **87.1%**.*

TF-DISCO: Protein Disorder & Pattern Visualizer Dashboard | Python, Pandas, Streamlit **Feb 2026 - July 2026**
A Consolidated database of Disorder, Patterns and Functional annotations of TFs. [Live link](#), [GitHub](#)

MTC Website | React, HTML, CSS, JS **Jan 2025 - Feb 2025**
A one-stop website for all things MTC-related.
[Live link](#), [GitHub](#)

Timetabler | HTML, CSS, JS **Feb 2023 - 2026**
A better Timetable renderer for BITS Pilani Dubai Campus students. [Live link](#), [GitHub](#)
More projects are listed in the [Portfolio Website](#).

NOTABLE CERTIFICATIONS

Introduction to Data Analysis using Microsoft Excel | Coursera

Sreenikethan Iyer

+971 50 516 3504 | sreeni.s.iyer@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PERSONAL INFORMATION

Date of Birth	March 2004, age 22
Passport	Indian passport, valid until November 2029
Visa	Abu Dhabi UAE resident visa under father's sponsorship, valid until September 2027
Driving license	UAE driving license, valid until March 2027, have car for commuting
Spoken languages	English (Spoken, written), Hindi (Spoken), Tamil (Spoken)
Personal interests	Photography, Music production (LMMS) and playing the keyboard, listening to music