

Sreenikethan Iyer

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PROFESSIONAL SUMMARY

I am a Computer Science Engineering student in 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, JavaScript, TypeScript, CSS), C, Java, C# .NET, Visual Basic .NET, MySQL, Windows Batch scripting, VBA
Frameworks	React, Tailwind, Web Components
Developer Tools	Git, GitHub, Vite, Docker, WSL, FFmpeg
Libraries	TensorFlow, scikit-learn, PyTorch, PIL, Pandas, NumPy, Matplotlib
Soft Skills	Attention to detail, Analytical thinking, Self-motivated,

EDUCATION

Bachelor of Engineering in Computer Science, CGPA: 9.46 **2022 - Present**
Birla Institute of Technology and Sciences, Pilani Dubai International Academic City, UAE
Relevant electives: Data Sciences, AI, Data Mining, Cryptography

AISSCE 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
- Promoted and aided in marketing events for club membership intakes, exercising time management
- Optimized cloud file storage and improved quota management with attention to detail

PROJECTS

"Timetabler" | HTML, CSS, JS **Feb 2023 - Present**
A better Timetable renderer for BITS Pilani Dubai Campus students, [GitHub](#)

MTC Website | React, HTML, CSS, JS **Jan 2025 - Feb 2025**
A one-stop website for all things MTC-related, <https://mtcbpdcdubai.github.io/>, [GitHub](#)

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True Framerate Estimator (WIP) C# .NET, FFmpeg <i>Tool to visually guess the real framerate of a video file by temporally comparing frames</i>	Jan 2026 – Present
Protein Visualizer Dashboard Python, Pandas, Streamlit <i>Interactive dashboard to visualize patterns and disordered regions of human transcription factors</i>	Feb 2026 – Present
Font Detection using Deep Learning Python, PyTorch, PIL, NumPy, Streamlit <i>A tool to identify the font and typeface used in an image or screenshot, Demo link</i>	Sep 2024 – Dec 2024
Nuclei Segmentation for H&E images using DL Python, TensorFlow <i>A model to segment the nuclei in Hematoxylin- and eosin-stained imagery</i>	Dec 2024 – June 2025
Forest Fire Detection using DL Python, PyTorch, Jupyter <i>A model to detect and predict forest fire occurrences</i>	Feb 2025 – May 2025