

Nischith Srikanth

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EDUCATION

Dublin Jerome High School

Expected Graduation: May 2027

Awards: 2024, 2025, 2026 Honor Roll; Honorable Delegate at MUNUM

GPA: 4.52

Best Delegate at OSUMUN, RPI Medal Winner

SKILLS AND QUALIFICATIONS

Coursework: AP Computer Science A; AP Physics I, II, C; AP Calculus BC; CSE 2221, MATH 2153, STAT 3470.01

Software: HTML, CSS, PHP, Python, Java, JavaScript, SQL, GSuite, Microsoft Office Suite, Visual Studio Code, Jupyter Notebook, SSMS, Draw.io

PROJECT EXPERIENCE

Machine Learning-Driven Historical Analysis of Norman Sicily

June 2025 - July 2025

- Collaborated with Dr. Dawn Marie Hayes (Montclair State University) on a study of Norman Sicily monasteries and fortifications
- Programmed a chatbot using LangChain and Azure OpenAI GPT-4o for exploring historical datasets
- Authored a 17-page research paper analyzing settlement and elevation patterns employing K-means clustering, Pearson correlation, biserial correlation, and one-way ANOVA tests

Rhetorical Device Annotation in Iberian Texts

July 2025

- Developed a Python package and annotation pipeline using Gemini 1.5 Flash to identify rhetorical devices in 15th-century Castilian and Catalan texts by Iberian women writers
- Compared the performance of LLM-generated annotations with classical NLP models like RoBERTa, highlighting strengths and limitations in rhetorical device detection
- Clustered rhetorical patterns from 172 Spanish sonnets using k-means and hierarchical algorithms, uncovering thematic and temporal trends across centuries

Parampara

February 2026 - Present

- Built Parampara (Flutter): ~735 stotra library, pack creation, and pack sharing for Satsangha use
- Implemented on-device Live Listen (native mic + Indic ASR) for real-time verse matching without raw audio upload

Artificial Intelligence Firearms Recognition System

May 2023

- Conceptualized an AI-based school safety system to detect firearms and alert local officers
- Engineered a Raspberry Pi prototype and trained a machine learning model under the mentorship of a cloud architect

WORK EXPERIENCE

Netsteady Communications

June 2026 - Present

Software Development Intern

- Built a multi-event voting system using PHP, JavaScript, and SQL with QR-code access, configurable voting periods, voter validation, administrative controls, and real-time results
- Developed an offline-first survey PWA featuring phone-and-PIN authentication, local response storage, survey assignments, version control, and bidirectional data synchronization
- Engineered the administrative interface for a trail loyalty platform, enabling organizations to manage GPS-based locations, check-in radii, point values, rewards, images, and user activity

MyHomeworkRewards

June 2026 - Present

Software Development Intern

- Created interactive mathematics lessons and practice activities using HTML, CSS, and JavaScript, incorporating answer validation and immediate student feedback
- Developed predictive models from student performance data to estimate question correctness and support personalized question selection

Columbus Metropolitan Library

June 2025 - August 2025

Community Intern

- Delivered end-user technical support for library circulation software and onsite printing equipment, enhancing user productivity and user reliability at a nationally top-ranked public library (multiple #1 Library Journal ratings)
- Supervised 90+ volunteers and supported youth programs, summer reading events, and community workshops

LEADERSHIP EXPERIENCE

Dublin Tech Club

August 2023 - Present

President

- Executed five tech camps for 60+ students on cryptography, algorithmic thinking, and Python fundamentals
- Secured \$1,000 in funding per camp, while mentoring 15 volunteers per event to optimize team performance and program success
- Coordinated volunteer training sessions, fostering smooth executions of camp operations and engagement