TIYA ROY

Master of Computer Applications
Gender: Female
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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2025	MCA	NIT, Trichy	7.80*
2022	B.Sc. (CS)	Chinmaya Degree College, Haridwar	7.73
2019	Class XII	Kendriya Vidyalaya, B.H.E.L., Haridwar, CBSE	82.8%
2017	Class X	Kendriya Vidyalaya, B.H.E.L., Haridwar, CBSE	9.6

Academic Achievements

- Participated in **Hackon'23** a hackathon conducted by Amazon.
- Participated in Regional Level KVS Science Exhibition'18- Project on Light Dependent Street Lights.

Other Projects

- **Drowsiness Detection (Machine Learning):**   *May 2023 - Present*
  - A Drowsiness Detection Model is built using You only Look Once version 5 **(YOLOv5)** and **OpenCV** a machine learning model built around **Pytorch**.
  - It detects in real time if a person is drowsy or awake.
  - This model has been trained using set of images taken from different angles and different actions.

- **Campus Networking Project (Network Simulation):**   *March 2023*
  - In this project, there a simulation of campus networks based on wireless networking.
  - The major aim of this project is to show the wireless connectivity that is used in universities to make the network efficient and mobile at the same time.
  - The entire Network simulation is done in **Cisco Packet Tracer**.

Areas of Interest

- Data Structure and Algorithms
- Image Processing (Machine Learning)
- Operating System

Technical Skills and Certifications

- Programming Languages   : C++, Python, SQL.
- Engineering Software   : MySQL, Cisco Packet Tracer.
- Other Software   : Microsoft Word, PowerPoint, Visual Studio.
- Certifications   : Git and GitHub (Course by DotQuestionMark Community).

Positions of Responsibility

- **Internship Coordinator:**   *July 2023 – Present*

  The role Internship Coordinator for batch 2022-2025 MCA involves coordination between the Placement Representatives and the batch during the whole internship process.

- **Member, SOFTREC Club, NITT:**   *Mar 2023 – Present*

  Students Of Trichy Regional Engineering College (SOFTREC), is a committee which acts as a bridge between the current batches and the alumni batches. The main sports event organised by Softrec is **Spielmac.**

- **Member, OSOC Club, NITT:**   *Oct 2022 - Present*

  Open Source Open Community (OSOC) is an open source community initiated by MCA students of NITT. The club conducts workshops for the students on open source technologies. The main Technical event organised by OSOC is **Technofania.**

- **Coordinator, Design and Event Team, Aayaam, NITT:**   *Sept 2022 - Present*

  Worked as member of Aayaam which promotes Hindi and Indian culture in NITT under which we conducted various events throughout the year in which I am part of Design Team and Event Execution Team. Conducted the event Dandiya Night at NITT. Designed posters for the Aayaam social media handles.

Extracurricular Activities

Sport Activities:

- Secured First place in Tug of war Women in **Spielmac'23 -** the intra department sports fest organized by **SOFTREC** club of NITT Trichy.
- Secured First place in Kabaddi Women in **Spielmac'23 -** the intra department sports fest organized by **SOFTREC** club of NITT Trichy.

Cultural Activities:

- Secured Second place in Mime act (Topic-Acid Attack) in **Spielmac'23 -** the intra department sports fest organized by **SOFTREC** club of NITT Trichy.
- Participated in **Choreonite** in **Nittfest'23** – the inter-department cultural fest organised by NIT Trichy.
- Participated in **Group Song** Competition in **National Level** KVS Social Science Exhibition'16**.**