RAGAPRIYA D

Civil Engineer
NIT Puducherry/IIT Madras

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2025 - Present	Direct Ph.D	Indian Institute of Technology Madras	-
2021 - 2025	B.Tech	National Institute of Technology Puducherry - Indian Institute of Technology Madras	8.58/10
2019 - 2021	HSC(XII)	Aditya Vidyashram Higher Secondary School Samarth campus, Puducherry	87.2%
2007 - 2019	SSLC(X)	Sri Navadurga English Higher Secondary School, Puducherry	85.2%

Experience

- Summer Internship Training on **MANUFACTURING OF PRECAST PRODUCTS AND UTILISATION OF BOTTOM ASH AND FLY ASH** in Neyveli Lignite Corporation India Limited.
- Winter Internship Training on **ECC (Engineered Cementitious Composite)** performance in NIT Puducherry.
- Summer Internship Training on **COMPUTATIONAL MODELING OF YE'ELIMITE: INSIGHTS FROM VESTA, AND PACKMOL** in IIT Madras.

Achievements

- Perfect Score **10/10** in **Structural Analysis II, Design of Reinforced Concrete Structures, Steel Structures.**
- **Minor course** in **Artificial Intelligence (AI)** and **Machine Learning (ML)** at National Institute of Technology, Puducherry in Department of CSE.
- Consistently maintained academic standing in the top **10**% throughout the B.Tech program.

Key Projects

COOL - Classification of Online Offensive Language| *Prof. Dr.Vani V, Prof. Dr.Karthik N, NITPY*   (*July'23-Nov'23*)
Analysis and Design of Stayed Cable Bridge using STAAD.pro| *Prof. Dr. Perumalla Venkata Mallikarjun Rao, NITPY* (*Dec'23-Apr'24*)
Structural, Hydration, and Environmental Aspects of C4AF in Cement: Experimental and Computational Insights| *Prof. Dr. Aslam Kunhi Mohamed, Prof. Dr. Piyush Chaunsali, IIT Madras*   (*Jul'24-May'25*)

Conference Paper

- Manjari Bhamidi, Manvitha Nandyala, Ragapriya Dayalan, N. Karthik, V. Vani. **COOL: Classification of Online Offensive Language Using Machine Learning and Deep Learning.** 7th International Conference on Computational Intelligence in Data Science (ICCIDS), Feb 2024, Chennai, India. pp.87-97, ⟨10.1007/978-3-031-69982-57⟩. ⟨hal-05140748⟩

Technical Skills

- **Software and drafting tools:** STAAD.pro, Auto CAD, Revit
- **Programming Languages:** C, Python, SQL, LaTeX
- **Web and Utilities:** MongoDB
- **Computational chemistry and materials science:** CP2K and QE (Quantum Espresso)

Language

- **Tamil**
- **English**
- **French**