

# Monishwar Reddy Vardireddy

Aspiring Software Engineering



## CAREER OBJECTIVE

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Aspiring Computer Science Engineer passionate about technology and sustainability. With experience in AI research, data analysis, and sustainable solutions, I aim to contribute in data analysis, innovative, impactful solutions that can help build a better future.

## EDUCATION

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### Bachelor of Technology, (2023-2027)

Specialization: Computer Science Engineering (Core)  
Woxsen University, Hyderabad, Telangana, India.  
CGPA: 8.44

### Intermediate (10+2), (2021-2023)

Specialization: MPC Stream  
Narayana Junior College, Hyderabad, Telangana  
Board: Telangana State Board of Intermediate Education (TSBIE)  
Percentage: 83.7%

### Matriculation (SSC), (2021)

Sri Chaitanya School, Hyderabad, Telangana, India  
GPA: 9.2

## EXPERIENCE

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### Woxsen University, (May 2025–Present)

Hyderabad, Telangana, India. (On-Site)

#### Research Assistant

- I am working as Research Assistant in the AI, Technology, and Emerging Fields Cluster.
- Engaged in the analysis of various models, including the SEIR epidemic model, Monte Carlo simulation model, and others.

### Woxsen University, (Feb 2023–Present)

Hyderabad, Telangana, India. (On-Site)

#### Research Intern

- Conducted research on EEG technologies and Human-Machine Interfaces.
- Published findings in a research paper, advancing knowledge in brain signal measurement.

### HCL Tech, (May 2025-July 2025)

New Delhi, India. (Remote)

#### Biomedical signal processing intern

- Designed and implemented a lightweight CNN model integrating DWT and SVD for myocardial infarction detection using the PTB Diagnostic ECG dataset.
- Performed signal preprocessing, feature fusion, classification, and evaluation using ROC curves, achieving high accuracy across MI subtypes.

### Tedis Foundation, (Jan 2025–July 2025)

(Remote)

#### Founder

- Empowers students through diplomacy, technology, and global leadership, collaborating with organizations in Mongolia, India, and the UAE.
- Bridges technology and diplomacy for a sustainable future through initiatives like TEDIS 2025 MUN's.

**Tiaano, (Jul 2024–Nov 2024)**

**Chennai, Tamil Nadu, India. (Remote)**

**R&D Analyst Intern**

- Performed research and data experiments for innovative solutions.
- Delivered insights through detailed reports for implementation.

**Woxsen University, (Oct 2023–Apr 2024)**

**Hyderabad, Telangana, India. (On-Site)**

**Data Analyst Intern**

- Developed content strategies and promoted university initiatives via social media.
- Performed analysis on social media platforms (LinkedIn) post for more engagement.

## SKILLS

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**Programming:** Python, C, R.

**Tools:** VS Code, Excel (Advanced), Jupyter Notebook, Google Colab.

**Research:** Artificial Intelligence, Mathematical Modeling, Data Analysis, Pyrolysis of Animal manure.

**Soft Skills:** Technical Writing, Problem-Solving, Communication.

## ACHIEVEMENTS

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**Certificate of Recognition, RMEPT (Mauritania) 2025**

**Best Delegate, GDSDMUN 2025**

**Outstanding Delegate Award, UNGDS 2024**

**Honorable Mention, HICMUN 2024**

## PUBLICATIONS

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Venkatanarayana Pappula, Karre Saisuvan Reddy, Abhishek Reddy, **Monishwar Reddy Vardireddy**. Various Methods For Plastic Waste Pyrolysis To Fuels: A Review. Journal of Polymer and Composites. 2025; 13(04):79-93.

**Vardireddy, M. R. & Gajbhiye, P. (2025).** Integrating EEG Analysis to Illuminate Consumer Behavior and Optimize Marketing Strategies. In P. Gajbhiye, H. Kannan, R. Rodriguez, & J. Rojas-Méndez (Eds.), The Quantum AI Era of Neuromarketing (pp. 157-172). IGI Global Scientific Publishing. <https://doi.org/10.4018/979-8-3693-7673-7.ch007>

## REFERENCES

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**Dr. Amlan Kantri Halder**

Head of Mathematics, Woxsen University, Hyderabad

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**Prof. PGL Leach**

Honorary Research Professor, Durban University of Technology, South Africa

Email: [leachp@ukzn.ac.za](mailto:leachp@ukzn.ac.za)

**Dr. Pranjali Gajbhiye**

Neuroscientist, Woxsen University, Hyderabad

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## CONTACT DETAILS

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**Place:** Hyderabad

**Date:** 27-12-2024

Monishwar Reddy Vardireddy