MAHESHWARI DHADBANJAN

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PROFESSIONAL SUMMARY

Final-year B-Tech CSE student with a strong foundation in Java, DSA, and web development, eager to leverage technical expertise and problem-solving skills in software development and AI-driven projects. Experienced in working with advanced NLP models such as BERT, Agri-BERT, and LLaMA, with a passion for building efficient, user-friendly applications while continuously learning and contributing to team success.

EDUCATION

2022 - 2026	MALLA REDDY ENGINEERING COLLEGE FOR WOMEN
	B-Tech CSE
	8.97 CGPA
2020-2022	SR JUNIOR COLLEGE
	Intermediate
	93.4%
2019-2020	PNM HIGH SCHOOL
	10th SSC
	9.3 CGPA

RESEARCH PROJECT

Enhancing Agricultural Knowledge Retrieval with AI Models

Developed an AI system using BERT, Agri-BERT, and LLaMA to extract domain-specific agricultural information. Enhanced query-based knowledge retrieval with NLP techniques to support farmers and researchers in decision-making.

Improving Sleep Disorder Diagnosis Through Optimized Machine Learning Approaches

Developed a machine learning model to predict sleep disorders from health data using preprocessing, feature engineering, and model optimization techniques.

PROJECTS

NetFense-DP: Privacy-Preserving Defense for GNNs

Implemented a privacy-preserving defense mechanism for Graph Neural Networks (GNNs) using differential privacy techniques. The project focused on enhancing model robustness against adversarial attacks while maintaining prediction accuracy.

AI Detection using Local Binary Patterns (LBP)

Developed a system to detect artificial intelligence–generated content using Local Binary Pattern (LBP) feature extraction. Applied machine learning techniques for classification, improving accuracy in distinguishing AI-generated outputs from real data.

WORK EXPERIENCE

May 2024 – June 2024	Web Development Intern
EI Systems	Built responsive websites with HTML, CSS & JavaScript. Optimized user experience across devices.
May 2025 – June 2025	Python Programming Intern
Micro Information Technology Services	Completed a 1-month internship focused on Python programming. Gained hands-on experience in coding, problem-solving, and small project development.

CERTIFICATES

Oracle Java Foundations – Oracle Learning Explorer Badge

Programming Data Structures and Algorithms Using Python- SWAYAM NPTEL

Overview of Space Science and Technology – ISRO(IIRS)

C and Python Essentials – Cisco Networking Academy

SKILLS

Language: Java, DSA

Web Development: HTML, CSS

Databases: SQL, DBMS

Tools: Microsoft Excel, PowerPoint, Word, VS Code

Other Skills: Problem-Solving & Analytical Thinking, Time Management, Teamwork & Collaboration, Adaptability & Learning Ability, Communication and Presentation

ACCOMPLISHMENTS

- Runner-Up of Table Tennis in intra sports in MRECW.
- Gold Badges in Java on Hacker Rank for advanced coding proficiency.
- Completed a workshop on Generative AI technologies, gaining hands-on experience with tools like ChatGPT, Gemini, and other AI applications for problem-solving and content generation.

AVAILABILITY

Open to relocation with full flexibility to contribute wherever needed.