

Keerthika Mannam

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About Me

AI and Data Science student with practical experience in machine learning, data analysis, Python, SQL, and data visualization. Strong analytical and problem-solving skills with hands-on experience through academic projects. Interested in applying AI and data-driven technologies to develop innovative solutions

Education

B.Tech in Artificial Intelligence & Data Science <i>Amrita Vishwa Vidyapeetham</i> CGPA-8.27/10	2024 – Present Amritapuri, Kerala
PCM (Intermediate) <i>Narayana Junior College</i> 96.8%	2022 – 2024 Tirupati
Class 10 <i>Keshava Reddy School</i> 95.3%	2021 – 2022 Tirupati

Skills

TECHNICAL SKILLS:	NON-TECHNICAL :
<i>Programming:</i> Python, Java, R(basics)	Problem Solving Critical Thinking
<i>WebDevelopment:</i> HTML, CSS	Teamwork Collaboration
<i>Databases:</i> PostgreSQL	Time Management
<i>DataAnalysis:</i> Pandas, Matplotlib	

Projects

IoT – Dual Axis Solar Tracker with IoT Integration Designed an IoT-integrated dual-axis solar tracking system using sensors and microcontroller to optimize solar panel positioning.	2026 – Present
Deep Learning – Lung Cancer Detection: Developed a CNN-based lung cancer detection model using Python and TensorFlow/Keras for medical image classification.	2026 – Present
Thermal Analysis of Multi-Layer High Pressure Vessel using FEA Performed thermal analysis of a multi-layer high-pressure vessel using FEA in ANSYS to study temperature distribution and performance.	02/2025 – 06/2025

Automatic Power Switching Between Four Sources

07/2024 - 11/2024

Developed an automatic power switching system using a microcontroller/relay module to manage four power sources efficiently.

Certificates

- Deep Learning Course - DataCamp
- Programming / Technology Certification - Infosys Springboard
- RISC Camp Certification - Hands-on training camp focused on hardware and software development, including practical sessions on embedded systems and programming
- Hackathon Participation Certificate - Team-based problem-solving competition
- Introduction to Machine Learning with Python - SmartEd

Volunteering

- Quantum boot camp
- Vidyut Multifest
- Amritavarsham 72 Volunteer (amma's birthday seva)

Interests

Machine Learning Applications | Artificial Intelligence and Data Science | IoT and Smart Systems

Languages

English - Professional Proficiency

Telugu - Native Proficiency

Hindi - Conversational / Basic Proficiency