

Dileep Pittu

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Career Objective

As a passionate B.Tech final-year student specializing in Artificial Intelligence and Data Science, I aspire to begin my career in the IT industry, where I can apply my technical expertise, innovative thinking, and problem-solving abilities to develop impactful solutions. I am eager to contribute to an organization that values continuous learning, collaboration, and technological advancement, while enhancing my professional growth in cutting-edge domains like AI, Data Analytics, and Software Development.

Education

Velagapudi Ramakrishna Siddhartha Engineering College

B.Tech. in Computer Science and Engineering (AI&DS)

CGPA: 8.04/10

Vijayawada

2022–Present

Narayana Junior College

Intermediate (MPC)

Marks: 647/1000

Vijayawada

2020–2022

Chigurupati-Sri Krishnaveni Talent School

SSC

Marks: 600/600

Vijayawada

2019–2020

Projects

AIoT-Based Fall Detection for Worker Safety in Confined Spaces

2024

- Developed a system using XGBoost and IoT device to detect abnormal activities in confined industrial spaces.
- Implemented threshold-based monitoring (2.5g / 0.5g) detecting falls within 5 seconds.
- Improved worker safety by identifying potential hazards early through ML analytics.

Grey Wolf Optimization for Robust Phishing URL Detection

2025

- Built a real-time phishing detection system using hybrid CNN-BiLSTM deep learning.
- Used Grey Wolf Optimizer (GWO) for feature selection from 56 URL features.
- Reduced training time by 20% and achieved an F1-score of 95.8%.

Lightweight Unified Model for Detecting AI-Generated and Morphed Facial Images

2025 (Ongoing)

- Developed hybrid architecture combining ConvNeXt + Vision Transformer.
- Used multi-task learning for cross-dataset deepfake and morph detection.
- Designed lightweight model for security and media verification.

Technical Skills

Programming: Python, C, SQL

Web: HTML, CSS

Databases: DBMS, MySQL

Coursework: DSA, OOP, OS

AI/ML: Machine Learning, Deep Learning

Soft Skills: Problem Solving, Leadership, Adaptability, Teamwork, Communication, Event management, Public Speaking, Analytical skills.

Certifications

Associate Cloud Engineer – Google (2025)
AWS Cloud Computing – AWS (2024)
Privacy and Security in Online Social Media – NPTEL (2024)
UiPath Automation Explorer Training (2024)
Generative AI – Google Cloud Skills Boost (2025)
Social Networks - NPTEL (2025)
Machine Learning Operations – Coursera (2024)

Publications

RAIT 2025

AIoT-Based Fall Detection System for Enhanced Worker Safety 2025
DOI: 10.1109/RAIT65068.2025.11089175

IEEE ASIANCON 2025

Harnessing Grey Wolf Optimization for Robust and Scalable URL Phishing Detection 2025

Co-curricular and Extra-curricular Activities

- Selected in top 10 in Ideathon innovation.
- Organized and led AI Hackathon 2025 with 300+ participants.
- Participated in FutureMind AI Workshop (IIT Delhi).
- Participated in SIH Internal Hackathon (2024).
- Active member on LeetCode, CodeChef, HackerRank.
- Member, Student Welfare Committee, NSS (2022–Present).

Declaration

I hereby declare that all the information provided is true and correct to the best of my knowledge.

Place: Vijayawada

Signature: **Pittu Dileep**