

Jangam Poojith

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EDUCATION

Chaitanya Bharathi Institute of Technology (OU), Hyderabad, India

2021 June 2025

B.E. In Computer Science, Artificial Intelligence & ML Specialization

CGPA 8.5/10

Narayana Junior College, Hyderabad, India

2019-2021

Board of Intermediate Education-Grades 11 & 12 (Math, Physics & Chemistry)

Aggregate: 97%

Sumedha High School, Hyderabad, India

2019

SSC, Grade X

CGPA 9.0/10

TECHNICAL SKILLS

Programming: Python (NumPy, pandas, scikit-learn, Qiskit), R (ggplot2, dplyr), SQL, MongoDB

Web: HTML, CSS, JavaScript, React.js

Tools: Git, VS Code, Power BI, Linux

Concepts: Machine Learning, Deep Learning, Quantum Computing

Soft Skills: Team Leadership, Time Management, Research, Presentations

Certification: AI [Foundation](#) and [Advance](#) , Data Science Foundation Certification

WORK EXPERIENCE

[TRANQUIL Project | AICTE lab](#)

Nov -Dec 2024

- Architected an AI-powered web platform for elderly care that boosted user engagement by 30%, incorporating real-time health analytics and emergency response systems
- Engineered predictive health monitoring algorithms that reduced emergency response times by 25%, utilizing time-series analysis and anomaly detection
- Designed responsive front-end interface using React.js, integrating accessibility features that enhanced senior citizen user experience metrics by 40%

PROJECTS

EfficientDet-Based Medicinal Leaf Detection and Therapeutic System | Lead AI Developer

Aug 2024-Mar 2025

- Engineered a deep learning classification system using EfficientDet-B0 architecture with BiFPN that achieved 94% accuracy in identifying 98 medicinal leaf species from 9,500+ images
- Developed advanced image preprocessing pipeline (CLAHE, bilateral filtering, PCA-based alignment) that strengthened model robustness by 18% against variable lighting conditions
- Incorporated model explainability techniques (Grad-CAM) to visualize decision-making process, increasing stakeholder trust in AI recommendations by 40%
- Created interactive Gradio-based web interface for real-time predictions, reducing diagnostic time by 65% compared to manual identification methods

[Portfolio Website](#)

- Constructed responsive portfolio showcasing AI/ML projects using React.js, HTML5, CSS3, and JavaScript, with 98% mobile compatibility.
- Executed performance optimization techniques that decreased page load time by 45%, elevating user engagement metrics
- Integrated GitHub API to automatically update project section with latest repositories and commit activity
- Crafted SEO-friendly content structure that drove organic traffic increase by 60% within three months

Quantum Machine Learning-based Approach for Breast Cancer Classification | Research Lead

- Designed quantum-enhanced machine learning algorithms achieving 96% classification accuracy on Wisconsin Breast Cancer Dataset, outperforming classical methods by 12%.
- Optimized quantum circuit architecture that demonstrated 3x computational speedup compared to traditional machine learning approaches on complex feature spaces
- Conducted comparative analysis between 4 quantum algorithms (VQC, QSVM, QNN, QCNN) to identify optimal approaches for medical diagnostic applications
- Authored comprehensive technical documentation and visualization tools that facilitated adoption by non-technical healthcare professionals

RELEVANT COURSEWORK

Data structures and Algorithm | Object-Oriented Programming | Natural language processing | Operating systems | Reinforcement learning | Introduction to Quantum Computing | Image Processing

LEADERSHIP and MEMBERS

[AksharaMala](#) | IIT Hyderabad

Nov 2022 – Feb 2023

- Directed an educational program under IIT Hyderabad, delivering 120+ hours of free online lessons to rural students, enhancing their academic performance.

Event Coordinator | CBIT SURAKSHA Women's Safety Club

Mar 2022 – 2024

- Organized safety awareness workshops reaching campus community members
- Coordinated.

Volunteer and Photography-Incharge | CBIT NSS Club

Jan 2022 – 2024

- Participated in 15+ community service initiatives focused on education and environmental sustainability
- Contributed 200+ service hours in underserved communities around Hyderabad
- Assisted in organizing blood donation camps serving