

# Kalyani vardanapu

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## OBJECTIVE

To cultivate and continuously expand my expertise through dedicated learning and leverage this knowledge to faster mutual growth and success.

## EDUCATION

Sagi Rama krishnam raju Engineering college, Bhimavaram — *B.Tech*

Artificial intelligence and machine learning Nov 2021 – May 2025

Aggregate: 87%

AP Residential College , Rajahmundry -Intermediate

Maths ,Physics and Chemistry July 2019 –March 2021

Aggregate :92.2%

AP Balayogi Gurukulam School , Rajahmundry -SSC

Aggregate :92% April 2018 – Feb 2019

## PROJECTS

### STOCK MARKET PREDICTION USING DEEP REINFORCEMENT LEARNING

- Developed a DRL-based system using DQL to predict Buy/Sell/Hold actions based on technical indicators and financial data.
- Designed a custom OpenAI Gym environment and evaluated strategy using Sharpe and Hit Ratios.

### AI-DRIVEN FITNESS PLANNER

- Engineered personalized fitness recommendations using pandas and NumPy.
- Designed logic for user profiling, achieving 87% accuracy on validation data.

### DEMENTIA DETECTION USING CNN

- Built a CNN-based classifier to detect dementia stages using MRI scans, achieving 92% accuracy.
- Applied data augmentation and optimized convolutional layers, improving model performance by 12% over baseline.

### INTERNSHIPS - AWS Cloud Computing - Blackbuck engineers pvt Ltd

- Assisted in deploying and managing cloud infrastructure using AWS services such as EC2, S3, and RDS.
- Supported the monitoring, troubleshooting, and optimization of cloud resources to ensure high availability and performance.

## EXPERIENCE

RESEARCH ASSOCIATE -HEXART AI  
-HYderabad 12/2024 -04/2025

- worked as a Research Associate Trainee at Eli2Edu , focusing on GENAI and Machine Learning Technologies and gaining hands-on experience through projects.
- Built a console-based platform utilizing ML Algorithms for efficient Results for the Users, making Recommendations, and user management for the planning .

## KEY SKILLS

- **Languages:** Python, SQL, Java
- **Libraries:** Scikit learn,pytorch, Numpy, pandas, Tensorflow, MLOPS
- **Concepts:** Machine learning, Deep Learning ,
- **Generative AI:** LLMS (GPT,BERT)
- **Tools:** Git, VS Code ,Flask , Eclipse,Streamlit
- **Cloud Platforms:** AWS (EC2,S3)
- Microsoft Office Suite (Word,Excel,PowerPoint)

## SOFT SKILLS

- Problem solving
- Team Collaboration
- Communication skills (verbal & written)
- Quick Learning
- Time management

## CERTIFICATIONS

- Machine Learning with Python – SKILL DEZIRE
- Certified in Python – NPTEL

## ACHIEVEMENTS

- Successfully completed an AI Research Internship at Hexart AI
- Participated in Hackathon 2k23 in College conducted by Ace Team