

EDUCATION

Degree	Specialization	Institute	Year	CGPA
B.Tech	CSE(Artificial Intelligence)	KIEW	2025	7.51
Intermediate	Mathematics, Physics, & Chemistry	GRC Junior College	2021	8.71
SSC	-	ZP High School	2019	9.5

WORK EXPERIENCE

- **Web Development Intern** [IIIT Hyderabad Summer Internship] May-June 2023
 - **Developed a Tic-Tac-Toe game** using the Negamax algorithm, enabling an AI opponent to make optimal moves based on human player inputs, enhancing the gameplay experience.
 - **Worked on web development technologies** including HTML, CSS, and JavaScript to create an interactive interface for the game, integrating the algorithm for dynamic decision-making.

PROJECTS

- **Glaucoma Detection Using CNN** Mar-may 2025
 - **Led the development of an AI-based Glaucoma Detection System** using Convolutional Neural Networks (CNN), achieving 94.2% accuracy in classifying retinal fundus images as glaucomatous or normal, leveraging datasets like ACRIMA and ORIGA.
 - **Implemented data preprocessing, model training, and deployment** using Flask, achieving high diagnostic performance (Sensitivity: 92.8%, Specificity: 95.1%) with real-time image upload functionality for instant predictions.
 - **Worked with a comprehensive tech stack** including TensorFlow, Keras, Flask, HTML, CSS, JavaScript, Pandas, NumPy, Scikit-learn, and Matplotlib to develop and deploy a full-fledged AI-based web application for real-time image classification and analysis.
- **Crop Sales Prediction** Aug 2023
 - **Developed a Crop Sales Prediction Model** using machine learning techniques, analyzing historical sales and environmental data to forecast crop sales with high accuracy, optimizing resource allocation for farmers.
 - **Utilized advanced machine learning algorithms** to build a predictive model for crop sales, integrating weather patterns, market trends, and seasonal factors to enhance forecast accuracy and decision-making for agricultural stakeholders.

POSITIONS OF RESPONSIBILITY

- **Team Leader – 21-Day Abhyan Program** [Abhyan 2022] Sept-Oct 2022
 - **Led a team of 10 members**, coordinated daily tasks, and facilitated communication between juniors and faculty during the program.
- **Teaching Assistant (TA) – 2nd Year Students** Jan - Mar 2025
 - **Guided a cohort of 70 students** by conducting tests, explaining coding concepts, assisting in projects, and resolving academic doubts to support their overall learning journey.
- **Project Leader – Final Year Project (4-2 Semester)** Jan - Mar 2025
 - **Led the team** in development of Glaucoma Detection using CNN, managing end-to-end execution of the project including model design, implementation, and team coordination.

EXTRA-CURRICULAR ACHIEVEMENTS/ACTIVITIES

- Secured **first position in Curious Coder Hackathon (Edyst Team)** for a theme-based poster on Agriculture: Crop Disease Awareness, selected through social media engagement and presentation.

TECHNICAL SKILLS

- **Languages:** C, Python
- **Front End:** HTML, CSS, Javascript, React
- **Databases:** SQL, MongoDB
- **Frameworks:** Django
- **Emerging Technologies:** Machine Learning, Artificial Intelligence
- **Tools:** Git/GitHub, MS Excel
- **Softskills:** Project Management, Communication Skills, Leadership, Problem-solving, Adaptability, Teamwork, and Collaboration.