

Kusuma Akana

Roll No.:22102A040504 B.Tech.- CSE
Mohan babu university ,Tirupati ,Andhrapradesh
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[Kusuma-portfolio](#)

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Duration
B.Tech.	Mohan babu university	8.15 (Current)	2022-2026
Senior Secondary	Board of Intermediate Education AP	60.1%	2020-2022
Secondary	Andhra Pradesh Board of Secondary Education	96.50%	2019-2020

Experience

- Ongoing Internship Experience: Sabudh Foundation** Jan.2024 - Dec.2024
Data Science Part-Time Intern Punjab
 - Engage in intensive training sessions covering Python, Machine Learning, Data Structures and Algorithms, and Deep Learning.
 - Apply learned concepts to address real-world challenges during practical project phases. Collaborate closely with mentors and peers to ensure project success.
 - Actively participate in discussions and knowledge-sharing sessions to foster a collaborative learning environment.
- Hacktoberfest** Oct. 2023 - Nov. 2023
Open Source Contribution Contest Virtual
 - Successfully completed the Hacktoberfest contest in 2023, ranking among the best contributors, leading to a tree planted in my honor Contributions to Curious Developers: Actively contributed to the Curious Developers organization, taking on a pivotal role in creating a dynamic website. This website serves as a hub for comprehensive library documentation and engaging blog posts.
- MathWorks - AICTE** May. 2023 - Oct. 2023
Virtual Internship Program in Collaboration with AICTE Virtual
 - AI Coursework : Completed comprehensive AI coursework covering fundamental concepts in deep learning, machine learning, and data analysis using MATLAB
 - Specialized Onramps Completed: MATLAB Onramp | Image Processing Onramp | Signal Processing Onramp | Machine Learning Onramp | Deep Learning Onramp
- CodeClause** Apr. 2023 - May. 2023
Web Development Internship Remote
(HTML, CSS, JavaScript, Payment Gateway API): Successfully integrated a pay- ment gateway into web applications using HTML, CSS, JavaScript, and Payment Gateway API, ensuring secure and seamless online transactions.
 - Payment Gateway Integration
 - Responsive Unit Converter & Responsive Portfolio Webpage(HTML, CSS, JavaScript) : Designed and developed a responsive unit converter tool and visually appealing and responsive portfolio webpage using HTML, CSS, and JavaScript, enhancing user experience across various devices and screen sizes.

Projects

- Human Pose Detection Project Using CNN and LSTM** Nov. 2023 - Dec. 2023
Computer Vision [Drive](#)
 - Objective: Developed a real-time Human Pose Detection System using Python, TensorFlow, and OpenCV
 - Impact: Enhanced user experience in fitness applications by providing accurate real-time feedback on exercise form and posture
- Flower For You - E-commerce flower delivery website** Oct. 2023 - Jan. 2024
Web Development [Drive](#)
 - Built a responsive e-commerce website for flower delivery using HTML, CSS, and JavaScript
 - Designed and implemented user-friendly UI for browsing, selecting, and ordering floral arrangements
 - Enabled location-based delivery scheduling to meet user preferences. Developed form validation and dynamic product listings for a seamless customer experience. Focused on mobile responsiveness and intuitive navigation to improve usability.
- Instagram Threads Sentiment Analysis** Nov. 2023 - Nov. 2023
Natural Language Processing - Sentiment Analysis [Drive](#)
 - Sentiment Analysis Tools (Python, NLP): Utilized Python and NLP libraries to perform sentiment analysis on user comments, classifying sentiments as positive, negative, or neutral

- Insightful Reports: Generated insightful reports and visualizations to understand user sentiments and trends within Instagram Threads discussions
 - Streamlit Deployment: Deployed the sentiment analysis tool on Streamlit, creating an interactive web application for users to explore sentiment trends
- Smart Resume Analytics May. 2024 - May. 2024
Automated Resume Parsing and Sentiment Analysis
 - Automated Resume Parsing: Developed algorithms to automatically parse resumes and extract relevant information such as skills, experience, and education. Deployed on Streamlit, creating interactive web application
 - Skill Matching and Evaluation: Implemented a skill matching mechanism to match candidate skills with job requirements. Evaluated candidate resumes based on skill relevancy and proficiency levels
 - Interactive Dashboard: Created an interactive dashboard to visualize resume data, skill matches, and sentiment analysis results. Enabled recruiters to gain quick insights into candidate profiles and job requirements.
 - Medical Image Analysis Model with LLM Integration and Google Gemini API May. 2024 - May. 2024
GenerativeAI
 - Objective:
Developed an advanced medical image analysis model capable of diagnosing skin diseases and identifying various external issues in the body. Utilized deep learning techniques, including Large Language Models (LLM), to analyze all types of medical images for accurate diagnosis and treatment recommendations. Deployed the model on Streamlit for user-friendly interaction and visualization. Technologies used: Python, TensorFlow, PyTorch, Google Gemini API, Deep Learning, Natural Language Processing (NLP), Streamlit

Skills

- Programming: C/CPP, Python, HTML, CSS, JavaScript, Java, python for Data Analysis and Machine Learning
- Tools and Databases : Windows, VS code, Github, SQL
- Lib/Frameworks : Django, NumPY, Pandas, Scipy, Matplotlib, Seaborn, Plotly, Keras, Tensorflow, OpenCV
- NonTechnical: Time management, Task Prioritization, Creative & innovative thinking, Problem Solving, Collaboration, Communication, Active Listener, Event Organisation, Leadership Qualities

Key courses taken

- Mathematics : Linear Algebra, Basic Calculus, Discrete Maths, Probability & Statistics
- Courses : Operating Systems, Data Base Management Systems, Data Science

Positions of Responsibility

- Student Representative, (ISTE) On Campus Dec 2022 - Present
 - Event Organizer and Industry Liaison:
Efficiently oversee a 5L budget to plan and execute diverse activities, including workshops, seminars, tech talks, technical events, and awards ceremonies, promoting professional growth and knowledge exchange among ISTE members. Proactively connect with industry leaders, including founders and CEOs, to enhance event quality and networking opportunities.
- Student club Member , Google developer student club (GDSC) Integration Nov 2023 - Present
 - Facilitating Student Engagement: Spearheaded the seamless integration of our club with GDSC Park, enabling students to actively participate in cutting-edge Technologies.
 - Guidance from Top Professors and Experts: Fostered a collaborative environment where club members received valuable guidance and mentorship from distinguished professors and research experts associated with GDSC.

Achievements

- Top 5k among 25k+ participant teams, by Hack with india 2025
- Cloud computing workshop (campus level [Team-Lead] 2024
- Limca Book of Records , Recognized for Speech Marathon organized by Toastmasters Club 2023
- Web Development Hackthon (campus level) , Runner-up 2023
- GDSC (campus level) club organising member 2023
- Science Olympiads 2nd rank (campus level) 2019
- Maths and science olympiad award , by Ramanujan maths society, Hyderabad 2018

Certifications

- Google , AI and ML in google cloud - Google cloud
- Machine Learning , bootcamp by google developer student club
- MathWorks , MATLAB , Machine Learning , Signal Processing , Image Processing , Deep Learning
- Hackerrank , Java Intermediate
- cognizant , AI job stimulation
- Udemy , CPP , Advanced Python