KOLAVENNU HIMAJA

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Education

Bachelor of Technology – CSE, AI & ML Specialization (Bhopal, Madhya Pradesh)	Jul 2021 – Jun 2025
Vellore Institute of Technology	CGPA – 8.1	
Senior Secondary 12th Grade (Hyderabad, Telangana)	Jun 2019 – Mar 2021
Sri Viswasanthi intermediate college| CGPA – 8.4	
Secondary 10th Grade (Hyderabad, Telangana)	Jun 2018 – Mar 2019
Sri Viswasanthi Schools| CGPA – 9.8	

Experience

Database Associate [Cosmic360.ai]
- Data Analysis: Managed and updated project databases, ensuring accurate and timely data collection. Provided weekly reports and insights to support team decision-making.
- Cross-Functional Collaboration: Coordinated with various teams to gather and share project data, ensuring alignment with project objectives and timelines.
- Reporting: Delivered consistent project updates and actionable insights to stakeholders, maintaining transparency and alignment with project goals.

Projects

Mental Health Analysis through Speech Emotion Recognition

Python, NLP, Google Text-to-Speech API
- Developed a mental health analysis tool utilizing natural language processing (NLP) and speech emotion recognition to identify emotions from chat and audio interactions. Achieved a 35% improvement in early detection of emotional distress by leveraging machine learning algorithms and integrating seamlessly with telehealth platforms to provide personalized therapy recommendations and early intervention strategies for enhanced mental well-being.

Good Samaritan Tracker

Python, Geopy, scikit-learn
- Built a predictive machine learning model using Scikit-learn to analyses real-time data from safety gadgets, achieving an 87% accuracy in emergency prediction and optimizing performance with Grid Search CV. Geolocation tracking mechanism with GPS and GSM technologies, enabling real-time monitoring on interactive maps and enhancing situational awareness with a 95% accuracy in location data retrieval.

Social media trends analysis

Python, SQL, Matplotlib, PyTorch
- Utilized Python and SQL to examine social media trends and developed interactive dashboards with Tableau and Matplotlib. Identified key trends and provided actionable marketing recommendations, resulting in a 20% increase in user engagement. Executed a simulation project focused on advising a hypothetical social media client as a Data Analyst at Accenture. Cleaned, modeled, and evaluated 7 large datasets to uncover insights into content trends, informing strategic decisions

Certifications

- Gen AI, BCG
- Data analytics and visualization, Accenture

Co - Curricular

- **Research Paper:** Led the research and presented findings at ICSEE'24 on "Computer Vision-based Crop Height Estimation using Contour Detection Technique," demonstrating expertise in project planning, data analysis, and technical research execution.
- **Hackathons:** Actively participated in high-impact innovation events like Advitya'24 and AMEX Makeathon, contributing to project ideation, solution development, and cross-functional team collaboration under tight deadlines.
- **Girl Script Summer of Code (GSSoC'24):** Mentored a team of budding developers, providing strategic guidance on project development, risk management, and technical execution, ensuring successful project completion and skill enhancement for participants.
- **Community Lead:** Spearheaded the planning and execution of large-scale club events, managing logistics, vendor relations, and financial planning for events with 600+ attendees, ensuring seamless project delivery and stakeholder satisfaction.

Skill Summary

- **Soft skills:** Communication Skills, Leadership, Team work, Event Management
- **Tools:** Microsoft SQL server, Tableau, Qlik View, Microsoft Excel, Arduino, Power BI, matplotlib
- **Technical Skills:** Python, SQL, Data Analysis, Data Visualization, Database Management