

MADHUVARSU SUBHASH CHANDRA MANVITH

+91 6304322533 ◇ Markapur, Andhra Pradesh, India
manvithmadhuvarsu@gmail.com ◇ [LinkedIn](#) ◇ [Portfolio](#)

OBJECTIVE

Aspiring Data Scientist with expertise in Data Analytics, Machine Learning, and AI. Passionate about leveraging advanced algorithms, data visualization, and predictive modeling to deliver actionable insights and impactful solutions in domains like education, e-commerce, and personalized systems.

EXPERIENCE

Generative AI Intern
Village Company, Gurgaon, India

Feb 2024 - April 2024

- Developed AI-based solutions to automate content generation for educational platforms, enhancing user engagement.
- Collaborated with teams to improve analytics workflows, facilitating data-driven decisions.
- Conducted data analysis to optimize campaign performance and user interactions.
- Worked on creating interactive dashboards and reports based on real-time data to enhance decision-making processes using generative AI.

Data and AI Intern
Winwire Technologies, Hyderabad, India

Sep 2023 - Nov 2023

- Created interactive dashboards using Power BI and Tableau to present educational data analytics insights.
- Participated in workshops focused on advanced data visualization and real-time data processing.
- Assisted in database management and data cleaning to ensure data integrity and accuracy.
- Worked on creating interactive dashboards and reports based on real-time data to support business intelligence initiatives.

SKILLS

Programming Languages	Python, Java, C, C++
Machine Learning	TensorFlow, Scikit-Learn, Predictive Modeling, NLP, Deep Learning
Data Analysis	Power BI, Tableau, Data Preprocessing, Data Visualization
Database Management	SQL, Database Optimization, MongoDB
Soft Skills	Problem-Solving, Communication, Teamwork, Adaptability
Research	Academic Writing, Literature Reviews, Project Management

EDUCATION

Master of Technology, Computer Science and Engineering,
Amrita Vishwa Vidyapeetham, Amritapuri

2024 - Present

Bachelor of Computer Science and Engineering, SCSVMV University
CGPA: 8.99

2020 - 2024

PROJECTS

Movie and Book Recommendation System

Built a recommendation system using Matrix Factorization, combining collaborative and content-based filtering to provide personalized movie and book recommendations. Integrated APIs for real-time updates and advanced filtering by genres, language, and release year.

Quadrant-Based Ball Tracking System

Developed a Python application to track colored balls within predefined quadrants in videos. The system allows users to define quadrants interactively, detects and tracks colored balls across frames, and records entry and exit events. It generates processed video outputs with overlaid tracking visuals and saves detailed event logs for analysis.

WaveSync: Audio Analyzer

Created an interactive Python tool for analyzing, comparing, and visualizing audio files. The system supports speech recognition, waveform plotting, and dual-method audio comparison to efficiently evaluate ‘.wav’ files.

Data Insights Pro

Developed a GUI application for managing unstructured educational data. Leveraged NLP techniques for insights extraction and created visualizations for better data understanding. The application targeted educators and researchers for efficient unstructured data handling.

Motion Detection and Alarm Notification System

Designed a real-time motion detection and alarm system. The system utilized OpenCV for motion tracking and Python for real-time notifications. The project was focused on enhancing safety in schools and offices by providing instant alerts.

PUBLICATIONS

April 2024	GUI APPLICATION FOR UNSTRUCTURED DATA AND INSIGHTS EXTRACTION International Journal of Creative Research Thoughts (IJCRT)
June 2024	RESEARCH ON UNSTRUCTURED DATA MAINTENANCE International Journal of Research and Analytical Reviews (IJRAR)
March 2024	MOTION DETECTION AND ALARM NOTIFICATION SYSTEM Journal of Electronics and Informatics (IRO Journals)
November 2023	GENBANK: A JACKPOT OF GENETIC INFORMATION International Journal of Scientific Research in Engineering and Management (IJSREM)
November 2023	NAVIGATING THE AI LANDSCAPE: A GUIDE TO SOLVING CHALLENGES International Journal of Scientific Research in Engineering and Management (IJSREM)