K.CHANDAN

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Summary

I am an Integrated M.Tech CSE student at VIT AP University with an interest in AI, machine learning, and deep learning. I have experience in research and developing applications using AI techniques. I enjoy working on projects, learning new technologies, and applying AI to practical problems. I am looking forward to contributing to meaningful research in a collaborative environment.

Education

- **Integrated M.Tech - Computer Science and Engineering**, Vellore Institute Of Technology, Amaravati,India [*Expected 2026*]
  CGPA: 8.55
- **Intermediate**, Sri Gayatri Junior College, Vijayawada, India [2019-2021]
  CGPA: 8.66
- **10th Grade**, Chigurupati Sri Krishnaveni Talent School, Vijayawada, India [*2018-2019*]
  CGPA: 7.85

Skills

- **Programming Languages**: Java, Python, SQL, HTML, CSS, JavaScript, R
- **Frameworks and Tools**: Git, Github, VS Code, Figma, Power BI, TensorFlow
- **Soft Skills**: Solution Development, Team Collaboration, Communication, Efficient Project Execution

Projects

- **Power BI Developer – BLINKIT Dashboard** (01/25 - 0225)
  - Designed and developed an interactive Power BI dashboard for Blinkit, enabling real-time monitoring of key performance metrics such as order fulfillment rates, delivery time efficiency, and customer satisfaction scores.
  - Preprocessed and cleaned 5000+ rows of raw data using SQL and Python (Pandas, NumPy), improving data accuracy by 99%.
  - Created 10+ interactive visualizations (bar charts, line graphs, heatmaps, slicers) to enhance decision-making for cross-functional teams, reducing report generation time by 50%.
  - Delivered a fully functional, scalable .pbix file, which was adopted by 50+ employees across 3 departments within one month, improving decision-making speed by 40%.
- **Machine Learning Engineer – Email Spam Detection Using Machine Learning** (05/24 - 07/24)
  - Implemented Natural Language Processing techniques, including TF-IDF vectorization, to enhance email spam detection.
  - Accelerated model training time by 30% through feature selection techniques and hyperparameter tuning, improving deployment efficiency for real-time spam detection.
  - Reduced false positives by 15%, directly improving user experience with inbox filtering.
  - Improved an automated classification model using Naïve Bayes, SVM, and Random Forest, achieving 95% accuracy.
- **Python Developer – Hand Gestures Recorder and Controller** (08/22 - 10/22)
  - Created a gesture-based controller using Arduino Uno and ultrasonic sensors for hands-free actions like volume control, page scrolling, video playback, and tab switching.
  - Enhanced system accuracy by 15% through advanced signal processing and refined gesture detection algorithms.
  - Designed an intuitive interface that reduced calibration time by 30%, enabling seamless integration across 5+ different user environments. Improved system accuracy by 20% through optimized gesture detection and real-time feedback mechanisms.

Certifications

- **Front End Software Engineering using ReactJS** – *By Skyscanner*
- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate Oracle** – *By ORACLE*
- **Data Analytics Job Simulation** – *By Deloitte*