

# Gadhiraju Anirudh Varma

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## Professional Summary

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- Passionate and results-driven machine learning enthusiast with hands-on experience in building ML-powered applications and tools.
- Strong foundation in Python, TensorFlow, Scikit-learn, LangChain, HuggingFace, and statistical analysis techniques.
- Experienced in integrating APIs, automating ML workflows, and solving real-world problems using vision and language models.
- Adept at working independently and collaborating within cross-functional teams.

## Education

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- **Vellore Institute of Technology, Vellore, Tamil Nadu** 2021 – 2026  
Integrated M.Tech Computer Science and Engineering • GPA: 7.69 / 10.0
- **Sri Chaitanya Junior College, Hyderabad** 2019 – 2021  
Senior Secondary Education (Science & Mathematics) • GPA: 936 / 1000

## Technical Skills

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- **Languages:** Python, Java, C++, SQL, JavaScript
- **ML Frameworks:** TensorFlow, Scikit-learn, Huggingface, LangChain, Keras
- **Cloud/Tools:** GCP, AWS, Docker, Git, Power BI
- **Core Knowledge:** DSA, Deep Learning, NLP, Statistics
- **Other Tools:** OpenAI APIs, NumPy, Pandas, Bash, MongoDB

## Projects

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- **Chronic Kidney Disease (CKD) Prediction**  
Developed a machine learning model with 88% accuracy on a dataset of 400 patients.  
Implemented and compared logistic regression, decision trees, and neural networks.  
**Tech stack:** Python, Scikit-learn, Pandas, TensorFlow
- **Flight Fare Prediction and Analysis Using Power BI**  
Built predictive models using Linear Regression and Random Forest Regressor.  
Designed a Power BI dashboard to visualize fare trends, routes, and pricing insights.  
**Tech stack:** Python, Scikit-learn, Pandas, Power BI, Jupyter Notebook
- **Email Automation AI Agent (Mobile Application)**  
Built a mobile-based agent using LangChain and OpenAI APIs to trigger workflows via n8n.  
Integrated REST APIs and Webhooks to automate personalized email workflows.  
**Tech stack:** JavaScript, Node.js, Expo Go, n8n, OpenAI API, LangChain
- **Image Compressor**  
Reduced image size by 60% with 95% quality preservation using Huffman coding.  
Developed a GUI with Java Swing and AWT for user-friendly batch compression.  
**Tech stack:** Java, Swing, AWT, ImageIO

## Certifications

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Azure AI Fundamentals (Microsoft, 2023) • Digital Marketing (Accenture, 2022) • Getting Started with AI (IBM, 2022)