

# Segu Venkata Chiranjeevi

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## Career Objective

Aspiring AI Engineer with a strong core background in deep learning, NLP, and systems design for real-world applications, currently studying B.Tech in Computer Science (AI) at Amrita Vishwa Vidyapeetham. Interested in using data-driven technologies to address meaningful issues in healthcare, cybersecurity, and smart infrastructure. Distinguished track record from internships and projects across RNN, LSTM, BERT, and AI models. Seeking a challenging position in an innovative organization where I can promote technology adoption and learn from domain specialists.

## Education

<b>Amrita Vishwa Vidyapeetham, Amaravati</b> B.Tech in Computer Science and Engineering – Artificial Intelligence	<b>2022–Present</b> <b>GPA: 8.67</b>
<b>Sri Chaitanya Junior College, Vijayawada</b> Intermediate	<b>2020–2022</b> <b>Percentage: 93.1%</b>
<b>Sri Chaitanya Techno School, Gudivada</b> Class X	<b>2019–2020</b> <b>Percentage: 99.8%</b>

## Experience

<b>Online Intern, Infosys Springboard(Link)</b> Developed Picaso Phrase, an AI-driven medical image captioning system using RNN LSTM.. <ul style="list-style-type: none"><li>· Gained hands-on experience in deep learning, NLP, and AI-driven solutions</li><li>· <b>Key Technologies:</b> Python, NLP, Machine Learning</li></ul>	<b>November 2024 - January 2025</b>
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## Projects

<b>VR Health Viewer</b> <ul style="list-style-type: none"><li>· VR Health Viewer is a full-stack web application that enables immersive 3D visualization of medical brain models (.nif files) using both traditional and VR (stereoscopic) viewing modes.</li><li>· The application supports gesture-based interaction using MediaPipe and enables real-time processing through a Flask backend.</li></ul>	GitHub Link
<b>NLP-Based Goal Model Extraction</b> <ul style="list-style-type: none"><li>· Classified software requirements into functional, nonfunctional, and ambient types using NLP and transformers (BERT, ROBERTa, DistBERT, ELECTRA).</li><li>· Included preprocessing, class balancing, TF-IDF, and deep learning. Visualized results and performance evaluated.</li></ul>	GitHub Link

## Certifications

Artificial Intelligence Primer Certification	<b>Infosys Springboard</b>
Principles of Generative AI Certification	<b>Infosys Springboard</b>
Power BI Job Simulation	<b>Forage</b>

## Publications

**Deep Learning-Based Prediction of Household Energy Consumption: An LSTM Approach with High Precision:** Accepted at **IEEE Xplore** on **May 2025**.  
**DOI:** <https://doi.org/10.1109/AIDE64228.2025.10987497>

## Skills

**Languages:** C, Python, Java, MySQL  
**Libraries:** NumPy, Pandas, Scikit-learn, SciPy, TensorFlow, OpenCV  
**Web Development:** HTML, CSS, JavaScript, MongoDB  
**Office:** MS-PowerPoint, MS-Word, MS-Excel, Power BI  
**Soft Skills:** Leadership, Event Management, Communication

## Extra Curricular Activities

<b>Multimedia Student Club (Drisyaa)</b> <ul style="list-style-type: none"><li>· Organized and coordinated events at university, including Shivaratri, Talent Search, Janmashtami, Fit India, etc and Participated in the Acting Competition at BITS Hyderabad (Pearl 2024).</li></ul>
<b>Part of our Campus Football Team</b> <ul style="list-style-type: none"><li>· Participated in football tournaments (Udgam and Mahostav), showcasing teamwork and leadership skills.</li></ul>