

CHINTA DURGA SIVA MANIKANTA REDDY

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in [Linkedin](#)

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PROFESSIONAL SUMMARY

Highly analytical Computer Science & Engineering graduate specializing in AI infrastructure, secure backend systems, and database optimization with a 5-Star HackerRank rating in Problem Solving and Python. Possesses a strong foundational grasp of network architecture, data security, and cloud system configurations. Experienced in developing secure web architectures, executing technical pipeline validations, and configuring complex relational data workflows. Detail-oriented and proactive self-starter with a published paper on multimodal systems, eager to apply strong debugging, automation testing, and core software engineering skills to deliver high-quality production features.

EDUCATION

B.Tech — Computer Science & Engineering (Artificial Intelligence) - Graduated 2023 – 2026

Pragati Engineering College, Surampalem, Andhra Pradesh

CGPA : 8 / 10

Diploma — Electronics & Communication Engineering - Graduated

2020 – 2023

B.V.C. Engineering College, Rajhamundry, Andhra Pradesh

Percentage : 89.49%

Class X — General

2019 - 2020

S.S.B.Z.P.P. High School, Mandapeta, Andhra Pradesh - Graduated

GPA : 10 / 10

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL (Query Optimization & Indexing)
- **Web Technologies & Interfaces:** HTML5, CSS3, JavaScript (ES6+), RESTful APIs, Flask
- **Cyber Security & Networking:** Networking Fundamentals (TCP/IP), Firewall Configurations, Anti-Virus Management, Zero-Trust Architecture (ZTCA), Conversational .
- **Tools & Platforms:** GitHub, VS Code, Jupyter Notebook, Google Colab, AWS, Windows OS , Desktop basics
- **Core Concepts:** Secure Network Architecture, Object-Oriented Programming (OOP), Data Preprocessing, Data Structures & Algorithms (DSA), System Patch Management & Backup Handling, IEEE / IEC Standards awareness , Technical Troubleshooting , MS Office Suite , SDLC and Agile Methodologies , Linux basics.

PROJECTS

Multimodal VQA System using BLIP-2 | *Python, Flask, AngularJS, Google Colab* [IJARESM](#) 2025 – 26

- Group project — contributed to building a cloud-based VQA system using BLIP-2 (Bootstrapping Language-Image Pre-training); integrated Conversational Memory Module for multi-turn dialogue and deployed on Google Colab GPU via Cloudflare Tunnel.
- Developed Flask REST API backend and AngularJS/HTML/CSS frontend; achieved 3–10s response times. Research published in IJARESM (IF: 9.175, Vol. 14, April 2026).

Movie Recommendation System | *Python, Pandas, Scikit-learn, NLTK* 2025

- Content-based filtering engine using TF-IDF vectorization and cosine similarity on MovieLens-100K (100K ratings, 1,682 movies); NLTK preprocessing (stop-word removal, stemming) — achieved ~78% precision@10.

Handwritten Digit Classifier | *Python, TensorFlow, Keras, Matplotlib* 2025

- 3-layer CNN on MNIST (70K images) with batch normalization + dropout (0.3); achieved 90.1% test accuracy. Visualized confusion matrices and training/validation loss curves.

Developer Portfolio Website | *HTML5, CSS3, JavaScript, GitHub Pages* 2025

- Responsive SPA with smooth-scroll navigation, animated project cards, and CSS Flexbox/Grid; deployed on GitHub Pages with cross-browser compatibility.

RESEARCH PUBLICATION

Chinta Durga Siva Manikanta Reddy et al., “A Comparative Study of Multimodal LLM for Visual Question Answering using Gradio Interface, leveraging the BLIP-2 Model,”

IJARESM, ISSN: 2455-6211, Vol. 14, Issue 4, April 2026 | Impact Factor: 9.175 | DOI: [IJARESM](#)

TRAINING & CERTIFICATIONS

- **AWS AI-ML Virtual Program:** Cloud-based ML workflows using AWS AI services and SageMaker.
- **Zscaler ZTCA:** Zero-trust network security, identity verification, and secure access architecture.
- **EDX — Java Programming:** OOP principles, exception handling, collections, and data structures.
- **EDX — Data Science with Python:** NumPy, Pandas, data visualization, EDA, and ML fundamentals.

ACHIEVEMENTS & EXTRACURRICULAR

- Published in UGC-certified IJARESM (IF 9.175) on Multimodal AI/VQA during final year of B.Tech — peer-reviewed, co-authored with faculty.
- HackerRank 5-Star Rating in Python & Problem Solving; active LeetCode practitioner (arrays, trees, graphs, DP).
- Competed in TCS Code Vita and Strides Technical Event at Pragati Engineering College.
- Academic Excellence: GPA 10/10 (Class X) | 89.49% (Diploma Engineering).
- Continuous Learning Mindset: Actively experimenting with cloud-native architectures, containerization concepts (Docker), and modern platform observability tools (OpenTelemetry/Grafana) to quickly bridge the gap into production infrastructure engineering.
- Delivered academic presentations on AI and Multimodal Systems as part of B.Tech coursework.