

Greeshma Chanduri

Gmail: chandurigreeshmaa@gmail.com | LinkedIn: <https://www.linkedin.com/in/greeshma-chanduri> | GitHub: <https://github.com/Greeshma-DS> | Portfolio: <https://greeshma-ds.github.io/portfolio/>

Master's student in Data Science at the University of New Haven with practical experience in machine learning, deep learning, and data analytics. Proficient in Python, TensorFlow, SQL, and Streamlit, with a strong foundation in statistical modeling and predictive analytics. Completed research projects, including the publication and presentation of "Student Performance Prediction Using Hybrid Ensemble" at the 15th IEEE ICCSCE 2025. Passionate about applying data-driven solutions to solve real-world problems.

CORE COMPETENCIES

Data Science & Machine Learning: Statistical Analysis ▪ Predictive Modeling ▪ Random Forest ▪ XGBoost ▪ Neural Networks ▪ CNN ▪ Transfer Learning ▪ Big Data Analytics
Programming & Tools: Python ▪ SQL ▪ TensorFlow ▪ Keras ▪ Scikit-learn ▪ OpenCV ▪ Streamlit ▪ Power BI ▪ AWS
Research & Analysis: Data Science Pipelines ▪ Feature Engineering ▪ Experimental Design
Data & AI Product Management: Dashboarding ▪ Model Deployment ▪ Cross-Functional Collaboration

EDUCATION

Tagliatela College of Engineering, University of New Haven, West Haven, CT

Master of Science in Data Science, Aug 2024 – May 2026 (expected) | **GPA:** 3.9/4.0

Relevant Coursework: Machine Learning, Deep Learning, Data Analytics, Statistical Methods, SQL, TensorFlow, Scikit-learn, Keras, XGBoost, Pandas, NumPy, OpenCV, Streamlit, Power BI, Jupyter | **Achievements:** Presented paper "Student Performance Prediction Using Hybrid Ensemble" at the 15th IEEE ICCSCE 2025, Universiti Teknologi MARA, Malaysia.

CMR Institute of Technology, Hyderabad, India

Bachelor of Technology in Computer Science (AI & ML), Aug 2020 – May 2024 | **Grade:** A

Leadership: Class Representative, Innovation Cell Coordinator, E-Yantra Club (IIT Bombay)

Relevant Skills: Python, Data Structures, Algorithms, OOP, Operating Systems, DBMS, Computer Networks, Git, Linux

PROFESSIONAL EXPERIENCE

Subject Matter Expert (Freelancer) – Chegg, Remote | Oct 2022 – Dec 2023

– Delivered expert solutions in statistics, machine learning, and data science with 95%+ student satisfaction.

Data Analyst Intern – SRS Group, India | Apr 2023 – Jun 2023

– Enhanced farmer data accuracy by 25% through rigorous data validation and cleaning.
– Assisted in building Power BI dashboards for agricultural finance reporting.

Operations Intern – GK Enterprises, India | Dec 2023 – Mar 2024

– Automated inventory tracking processes using Excel and SQL.
– Supported operational data analysis to improve process efficiency.

Greeshma Chanduri

Gmail: chandurigreeshmaa@gmail.com | LinkedIn: <https://www.linkedin.com/in/greeshma-chanduri> | GitHub: <https://github.com/Greeshma-DS> | Portfolio: <https://greeshma-ds.github.io/portfolio/>

DATA & AI PROJECTS AND PORTFOLIO

Student Performance Prediction Using Hybrid Ensemble (MSDS Project)

- Designed a weighted hybrid ensemble integrating Random Forest, XGBoost, and Neural Network models with dynamic weighting based on prior grades (G1, G2).
- Achieved 82% accuracy on test data; built an interactive Streamlit app for real-time predictions and feature importance visualization.
- Presented at IEEE ICCSCE 2025; awaiting publication.

Human Action Recognition Using Depth Maps (B. Tech Capstone)

- Applied CNN architectures (VGG16) with transfer learning and pose-estimation (OpenPose) on Wiezmann dataset to classify activities.
- Achieved 96.95% accuracy and reviewed 32 state-of-the-art sensing technologies in HAR.

Fake Currency Detection (B. Tech Project)

- Built vision-based counterfeit detector using OpenCV edge detection and histogram features.
- Trained custom image classifier for reliable fake currency identification.

Non-Invasive Glucometer (B. Tech Project)

- Engineered a signal-analysis regression model to predict glucose levels from NIR spectroscopy data.

GitHub: <https://github.com/Greeshma-DS>

PUBLICATIONS

Chanduri, G., Kamineni, P., Sheregar, S., Deepati, A., & Bhuiyan, M. (2025, August). Student Performance Prediction Using Hybrid Ensemble. Paper presented at the 15th IEEE International Conference on Control System, Computing and Engineering (ICCSCE 2025), Universiti Teknologi MARA, Malaysia.

CERTIFICATIONS

- **Google:** Google Data Analytics Professional Certificate
- **Infosys Springboard:** Data Mining & Predictive Analysis
- **Coursera:** Problem Solving Using Computational Thinking (University of Michigan)
- **Udemy:** Introduction to SQL
- **Google:** Introduction to Project Management
- **ITSonix:** Solutions: Introduction to Business Intelligence

LEADERSHIP & ACTIVITIES

- Class Representative, CMR Institute of Technology (2020–2024)
- Event Coordinator, Scintillation Annual Day (2022–24)
- Organizer, Smart-India Project Expo Hackathon (2022)
- Student Coordinator, Innovation Cell (2022–2024)
- Member, E-Yantra Club, IIT Bombay (2021–2024)