Rohini Gudimetla

Boston, MA | 857-316-8283 | rohinigudimetla174@gmail.com | linkedin.com/in/rohini-g381/

EDUCATION

Boston University Metropolitan College — **Boston, MA**
Master of Science in Computer Information Systems — **Dec 2025**

Amrita School of Engineering — **Bangalore, India**
Bachelor of Technology in Electronics and Computer Engineering (CGPA: 8.04/10) — **Aug 2023**

SKILLS & INTERESTS

Python, C, HTML, CSS, Javascript, ReactJS, Java, NextJS, R Language, MATLAB, Machine Learning, Deep Learning, Data Science, Big Data Analytics, SQL, Google Cloud Platform, Microsoft Azure, Statistical Data Analysis, Docker, Git, Apache Airflow, Apache Kafka

PROJECT EXPERIENCE

Contactless Lie Detection using Machine Learning

• Developed a contactless lie detection system using machine learning and deep learning models, achieving a 70% accuracy in detecting deception based on facial and behavioral cues.

• Developed an ETL pipeline using Python, Kafka, and SQL to ensure the accuracy and completeness of data.

• Leveraged computer vision and machine learning classification algorithms to analyze facial expressions and other nonverbal cues.

University Management System Chatbot

• Designed and developed a chatbot for the university management system using deep learning and PyTorch.

• Implemented natural language processing techniques to enable the chatbot to comprehend and respond to user inquiries.

• Collaborated with university staff to gather user requirements to ensure the chatbot was functional and user-friendly.

Stock Prediction using Historical Data

• Developed a Random Forest machine learning model for stock prediction analysis using Python and deployed to Microsoft Azure Cloud.

• Conducted thorough data analysis and feature engineering to improve the accuracy of the model.

Customer Segmentation

• Analyzed mall customer data using Pig to extract relevant features for customer segmentation.

• Implemented K-means clustering algorithm in Python to group mall customers based on their purchasing behavior and demographics.

• Utilized the identified customer segments to develop personalized marketing strategies and cater to their specific needs.

Statistical Inference of Motorcycle Price Data

• Applied descriptive statistics, data visualization, inferential statistics, and linear regression to predict the selling prices of various motorcycles using Python.

• Conducted data cleaning and preprocessing and developed a report detailing the findings and recommendations for pricing strategies.

CERTIFICATIONS

ETL and Data Pipelines with Shell, Airflow and Kafka from IBM, Object-Oriented Programming in Java from UC San Diego