

SUPRIYA KONEGARI

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[Portfolio](#)

EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA **September 2023 - August 2025**
Master of Science in Data Science **GPA : 3.5/4**

Related Coursework: Supervised Machine Learning, Introduction to Data Management & Processing, Unsupervised Machine Learning, Natural Language Processing

Jawaharlal Nehru Technological University, Hyderabad, India **August 2019 – May 2023**
Bachelors Of Technology, Electronics & Communications **GPA : 8.89/10**
Related Coursework: Probability Theory & Stochastic Processes, Digital Image Processing, Microprocessors, Java, Data Structures, C, Artificial Intelligence, Network Security & Cryptography, Computer Networks, Cybersecurity, Entrepreneurship, Business Economics & Financial Analysis

TECHNICAL SKILLS

Languages: Python, SQL, NoSQL, Java, C, HTML

Databases: Oracle SQL, MySQL, MongoDB

Frameworks: Pandas, NumPy, Matplotlib, SciKit-Learn, TensorFlow, PyTorch, Jupyter, OpenCV, Hadoop, Apache Spark

Tools & Technologies: Excel, Word, PowerPoint, Tableau, Power BI

Soft Skills: Excellent Orator, Active Collaboration, Outstanding Resilience, Proactive Leadership

INTERNSHIP EXPERIENCE

Data Analyst & Machine Learning Intern, EISystems, India **September 2022 – February 2023**

- Explored Python and dealt with various datasets like MNIST and IRIS.
- Collected, curated, and prepared data for analysis, including data cleaning and normalization.
- Conducted statistical analysis to identify trends and patterns within the dataset.
- Addressed and resolved challenges in data quality, model performance and algorithm selection.

PROJECTS

Forecasting popular YouTube content, Supervised Machine Learning(DS 5220), NEU

- Lead a data-driven analysis to forecast popular YouTube content by leveraging a dataset of YouTube trending videos
- Utilized Decision Tree models to identify key factors influencing video popularity and viewership trends
- Employed Random Forest and XGBoost algorithms to improve prediction accuracy and handle feature importance
- Implemented Tuned XGBoost models to enhance forecasting performance
- Also implemented K-Nearest Neighbors and Many-layer perceptron algorithms and evaluated the ensemble mode.
- Provided valuable insights for content creators and digital marketers in understanding video success metrics.

Music Management System, Introduction to Data Management & Processing(DS 5110), NEU

- Designed and implemented a SQL database schema to store music metadata and user profiles
- Developed a Python-based user interface for the system (Musicana), enabling music cataloging, playlist management, and user interactions
- Data integration and synchronization with external music sources and APIs
- Enhanced user experience and streamline music organization.

Stock Market Prediction, Internship

Developed a Stock Market Prediction model using regression and Long Short-Term Memory (LSTM) in machine learning on the Yahoo finance dataset to forecast stock prices, increased accuracy by 35%.