

# SUPRIYA KONEGARI

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[Portfolio](#)

## EDUCATION

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**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

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**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

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

- Collaborated with cross-functional teams to understand business requirements and translate them into data-driven insights and actionable recommendations.
- Implemented various machine learning models.
- Participated in the development and optimization of data pipelines, ensuring efficient data extraction, transformation, and loading (ETL) processes.
- Utilized data visualization tools, such as Matplotlib and Seaborn, to create clear and insightful visualizations, aiding in the communication of findings to non-technical stakeholders.
- Worked with various feature engineering techniques to enhance model performance and accuracy.
- Contributed to the creation of comprehensive documentation for data analysis and machine learning processes, facilitating knowledge transfer within the team.
- Actively participated in team discussions and brainstorming sessions to explore innovative solutions and approaches to challenging problems.

## PROJECTS

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**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%.