

SANJANA GUPTA

Hoboken, NJ | sgupta58@stevens.edu | 201-423-1697 | [LinkedIn](#) | [GitHub](#)

EDUCATION

Stevens Institute of Technology, Hoboken, NJ **Aug 2023 - May 2025**
MS in Data Science GPA: 3.95/4
Relevant Courses: Time Series, Statistical Methods, Optimization Models, Deep Learning, Machine Learning

University of Mumbai, India **Aug 2019 - May 2023**
Bachelor of Engineering in Information Technology CGPA: 8.27/10
Relevant Courses: Artificial Intelligence, Python, SQL, Data Science & Business Intelligence, Data Mining

WORK EXPERIENCE

Stevens Institute of Technology, Hoboken, NJ **Aug 2024 - Aug 2024**
Web Support and Content Migration Assistant

- Designed web layouts using Contentful, JavaScript, HTML and CSS to provide visually engaging user experience.
- Analyzed user behavior, identifying high-impact content and enhancing site navigation to improve accessibility.


Om Enterprises, Mumbai, India **Jun 2022 - May 2023**
Data Analyst Intern

- Implemented Python-based scripts to streamline data integration across warehouses, ensuring seamless synchronization of inventory records, which increased operational efficiency and reduced manual errors by 90%.
- Leveraged Power BI to visualize insights on inventory levels, billing cycles & timelines to enhance efficiency.


D. Y. Patil University, Nerul, India **Jun 2021 - Oct 2021**
Web Development Intern

- Developed a web-based learning management system using Python, SQL and JavaScript integrating features such as coursework submission, progress tracking, discussion forums, mentoring sessions and interacting with peers.
- Integrated dashboards with Power BI, to monitor student performance trends, and tailor instructional strategies.

ACADEMIC PROJECTS

Sentiment Analysis for Twitter Data 

- Applied data preprocessing techniques and machine learning algorithms for sentiment analysis.
- Comparative data analysis achieved 86% accuracy for Naive Bayes and 78% accuracy for Bi-LSTM algorithm.

Customer Segmentation and Recommendation 

- Performed data cleaning, feature scaling and dimensionality reduction to optimize the data for clustering.
- Created customer segments using K-means & analyzed each cluster to develop a recommendation system.
- Utilized Power BI to visualize customer segments and key metrics, enabling data-driven decision-making.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, HTML, CSS, Javascript | **Big Data Technologies:** Hadoop, Spark
Data Visualization: Power BI, Tableau, Microsoft Excel, Jupyter Notebook | **Version Control:** Git, GitHub
Data Analytics: Pandas, NumPy, Matplotlib, Seaborn, ETL processes | **Cloud:** AWS, Azure, Google Cloud
Statistical Analysis: Probability & Statistics, Linear Algebra, Calculus, Time Series, Hypothesis Testing, Regression
Machine Learning: Scikit-learn, TensorFlow, Keras, PyTorch, Supervised Learning, Unsupervised Learning

LEADERSHIP AND INVOLVEMENT

Peer Leader at Stevens Institute of Technology - Conducted mentoring sessions to support graduate students.
Publicity Chief at RAIT ACM Student Chapter - Directed the publicity team for social media marketing.
Directed **Event Planning & Management** team for Annual Technical Festival, Elixir 2019 at Ramrao Adik Institute.